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The



CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

3499
CXLVII

MARCH 15, 1947

Annual Subscription (with
Diary) 30/- Single Copies 1/-

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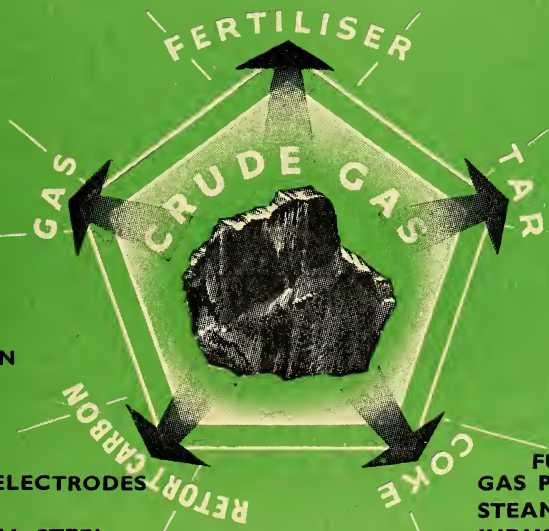
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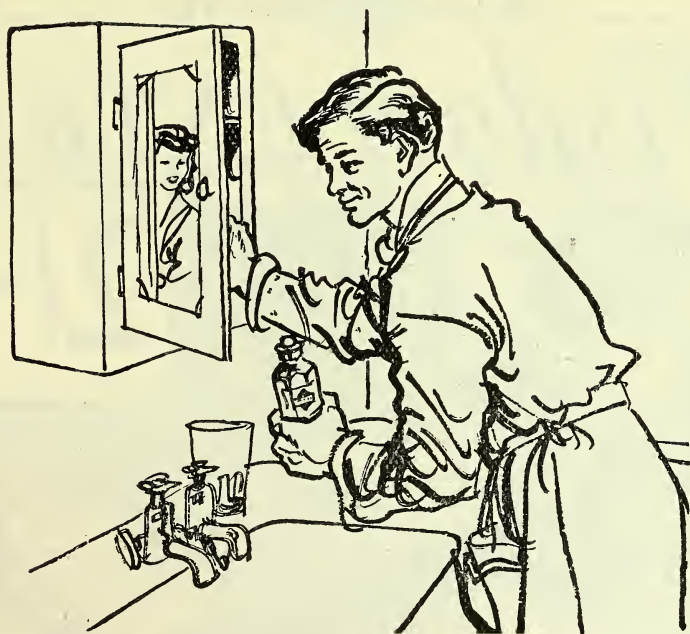
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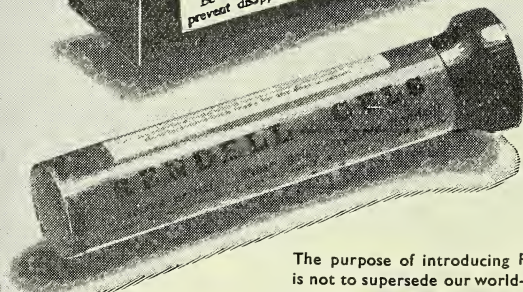
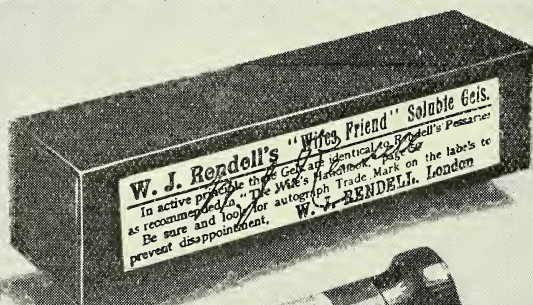
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Fig. 726A

For Particulars
see Centre

FROM STOCK

NAIL VARNISH OR CORN SOLVENT BOTTLES

2 dram SIZE

FIG. 726A

Round White Flint with Screw
Plastic Cap

With Caps only - 2/9 dozen
Fitted dip rods - 3/6 "
,, brushes - 5/- "

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121 High Street,
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FIG. 800

'OILTITE' DROP BOTTLES

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1/2 oz. 1 oz.
6/- 6/9 doz.

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TERMS: Combined orders amounting to £3 and upwards from qualified Chemists will be subject to 10% for display co-operation in addition to our usual 2½% discount for monthly account.



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BRIGHTON • ENGLAND

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Commencing March 31st, 1947, Fassett & Johnson (Ireland) Ltd., are appointed sole distributors for 'Genatosan' products in Eire. From this date your orders for all 'Genatosan' products should be despatched to:

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An announcement from **MACLEANS** **Price Increases**

FROM 10th. MARCH 1947.

Owing to increased costs of production, it has become necessary to revise prices of Macleans Peroxide Tooth Paste and Fynnon Salt.

The new terms, which become operative from 10th. March 1947, are:—

MACLEANS PEROXIDE TOOTH PASTE P.A.T.A.

RETAIL PRICE (including Purchase Tax)	STANDARD WHOLESALE PRICE	PURCHASE TAX
(per tube) 1/4	(per dozen) 9/5	(per dozen) 3/1²/₃

FYNNON SALT P.A.T.A.

(per tin)	(per dozen)	(per dozen)
1/9	14/6	2/5

Profitable display parcel terms are available to direct buyers.

Attractive showcards for Fynnon Salt can be obtained from our representatives.

MACLEANS LTD., GREAT WEST ROAD, BRENTFORD, MIDDX.
Phone: Ealing 6616. Wires: Macleans, Brentford.

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For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

The position is NOW SERIOUS

and unless customers holding Andrews empty cases return them immediately a hold-up in deliveries will result. Your co-operation is requested. Postage or carriage will be credited.

HOW TO SEND

Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs., by rail, c/fwd (*or state cost on label*)

ANDREWS

SCOTT & TURNER, LTD.

Andrews House, Newcastle-on-Tyne, 2

T9

Mispep

TRADE MARK

For over 80 years Mist. Pepsinæ Co. c. Bismut (Hewlett's) has enjoyed a unique reputation a specific in all Gastric and Digestive Disorders.

We now present this preparation in a new form under the title of "MISPEP."

It is packed ready for immediate use in the convenient sizes and may be prescribed with confidence in all disorders of the stomach and digestion.

In amber bottles of 4, 8 and 20 fluid oz.

Retail: 4 fl. oz. 3/4; 8 fl. oz. 6/1;
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C. J. HEWLETT & SON, LTD.

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LONDON, E



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says MR VITALI

Now that Simpkins Glucose Confections are deozoned please tell us number of points you have available and we will at once inform you of our ability to supply under M.O.F. regulations.

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Supplies available for Diabetics only.



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INSULIN				PROTAMINE ZINC INSULIN			
5 c.c.	100 units	1/4	5 c.c.	200 units 2/9
10 c.c.	200 units	2/4	10 c.c.	400 units 4/9
25 c.c.	500 units	..	..	5/8	5 c.c.	400 units	.. .. 4/9
5 c.c.	200 units	..	..	2/4	GLOBIN INSULIN		
10 c.c.	400 units	4/5	(with Zinc)		
5 c.c.	400 units	4/5	5 c.c.	200 units 2/9
10 c.c.	800 units	8/6	5 c.c.	400 units 4/9

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THE BRITISH DRUG HOUSES LTD.

BOOTS PURE DRUG CO. LTD.
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REPUTATION

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MILLAMALT

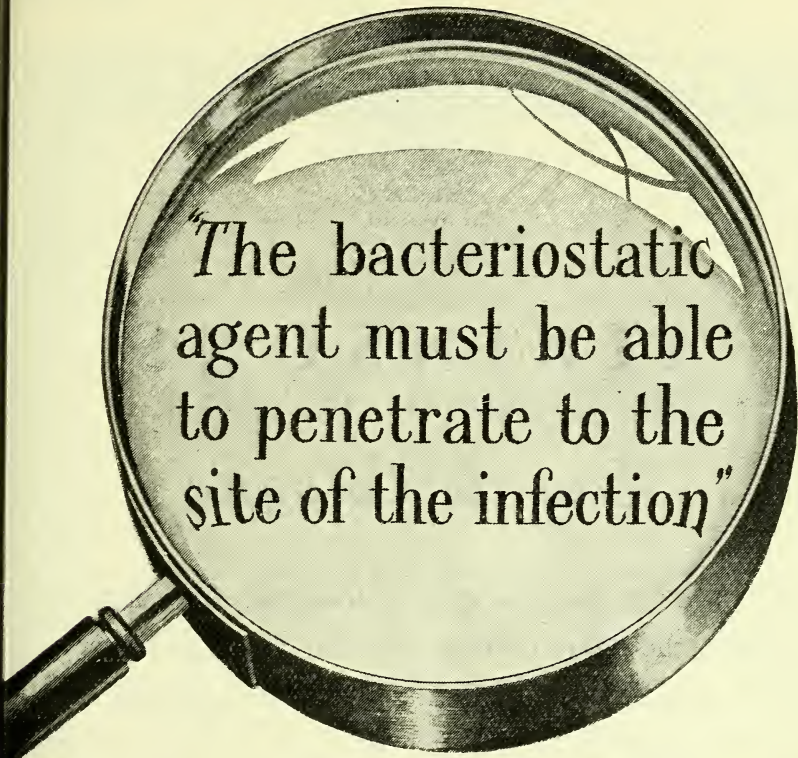
Sole Manufacturers

With Vitamins

JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept.: 19 Brookside Rd., N.

The VITAMIN MALT FOOD

(A. 6,500 I.U., D. 400 I.U.
per fl. oz.)

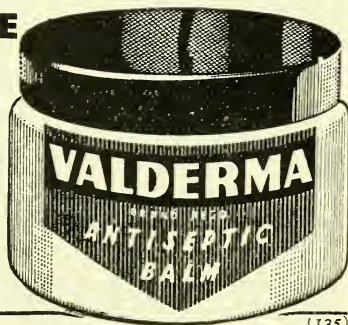


"The bacteriostatic agent must be able to penetrate to the site of the infection"

VALDERMA IS AN OIL-IN-WATER EMULSION AND AS SUCH IS ABLE TO GET RIGHT AT THE GERMS IN THE INFECTED PLACE

Unlike most ointments of the conventional type, Valderma, being an emulsion, allows exudates to pass freely away without any "sealing" effect. Furthermore, its two antiseptics give an unrivalled bacteriostatic action. Thus, Valderma has a two-fold inhibitory power over common bacteria (*B. Coli.*, *Megatherium*, *Strep. faecalis.*, *Staph. Albus*). Valderma is white, almost invisible on the skin and stains neither linen nor bedclothes.

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PERFUMERS TO H.M. THE KING
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Eau de Cologne

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B.P.**

Procaine Hydrochloride is one of the safest and most reliable of local anæsthetics. Its effect is rapid and powerful, but it has no central toxic action, it is non-cumulative and causes no liver damage.

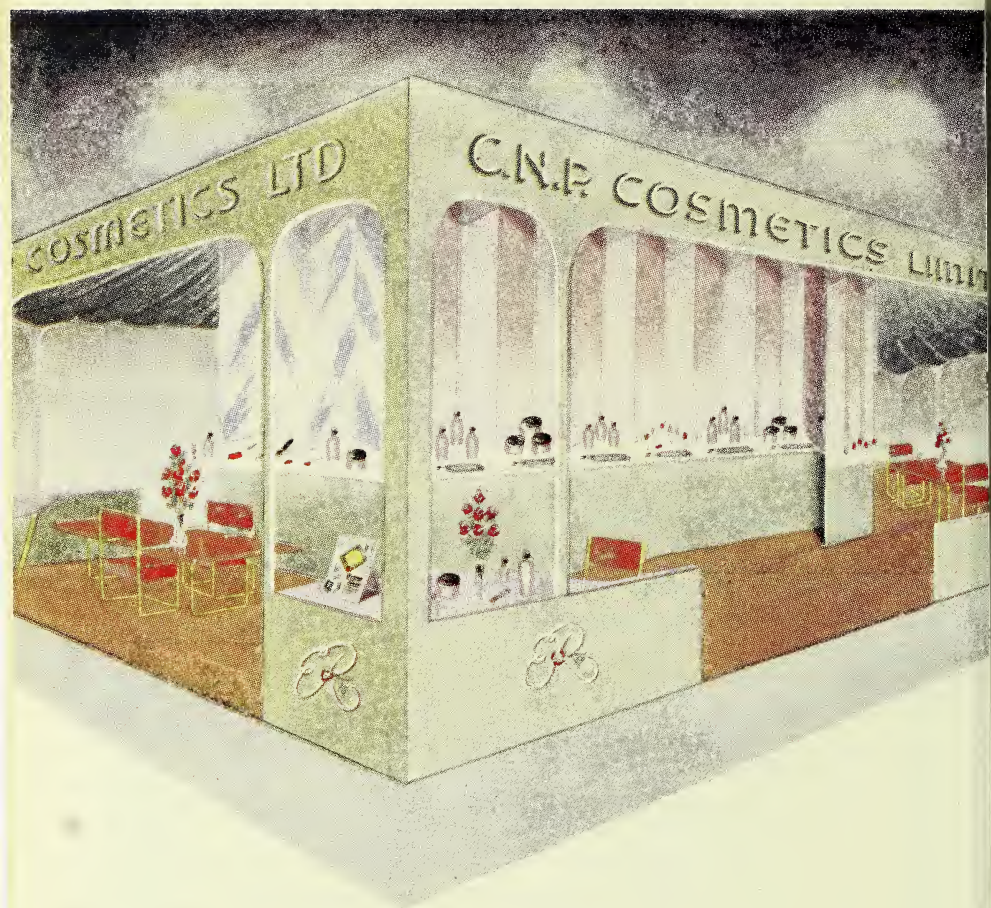
Because of these advantages Procaine is widely used and by many authorities is regarded as the drug of choice for such purposes as regional, infiltration, spinal and dental anæsthesia. It has useful applications also in ophthalmology and rhino-laryngology.

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ALDERLEY EDGE, MANCHESTER**

Ph. 136n



C-N-P

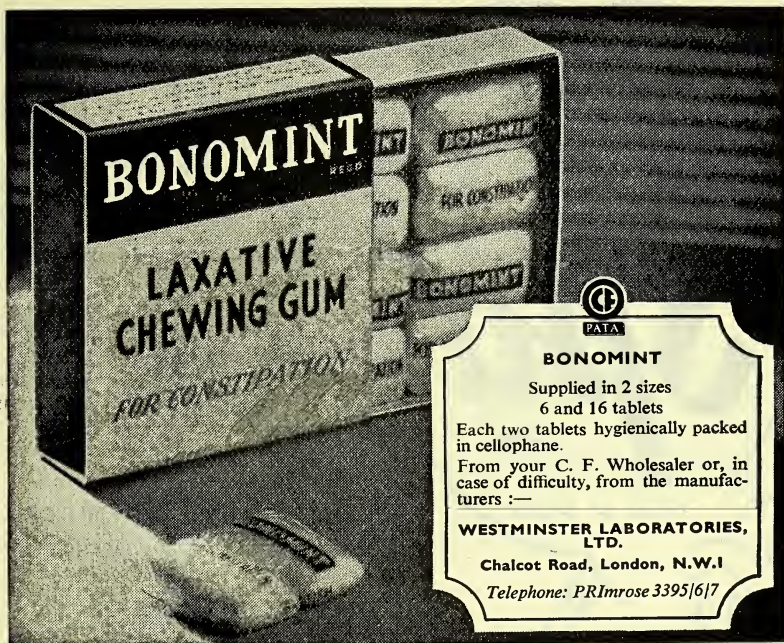
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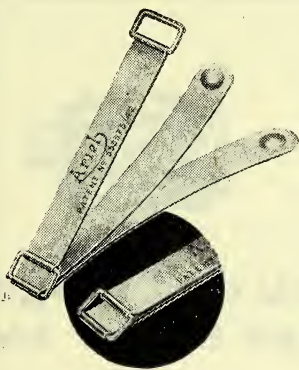
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It has everything—quality, fine finish, and attractive appearance. Costs very little more—but gives much more in extra wear. A P.A.T.A. line—nationally advertised in press and films.

John Freeman & Co., Ltd.
"Spa" Brush Works, Chesham, Bucks.

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We've had flattering proof lately that modern woman's interest in the superb Crème Simon Products—Crème Simon, Crème Simon M.A.T., Poudre Simon and La Nouvelle Poudre Simon—is still undiminished. Present conditions are very difficult; but we are doing our best to share out supplies equitably, that you—our friends the retailers—may not be obliged to disappoint the demands of some of your most discriminating modern clients.

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NEWS OF THE WEEK

Donation to Benevolent Fund.—The National Association of Women Pharmacists has sent to the Benevolent Fund of the Pharmaceutical Society a donation of £4, the proceeds of a dance held recently in London (see *C. & D.*, January 25, p. 10).

Wholesale Prices in February.—The Board of Trades announce that wholesale prices in February were, on an average, 10 per cent. higher than in the previous month. Prices of chemicals and oils increased by 1.6 per cent. on the month.

Toilet Preparations Price Control.—The Board of Trade has issued an amending Order (S.R. & O., 1947, No. 387) under which toilet preparations affected by the Toilet Preparations (Maximum Prices) Order, 1943, revert to control under the Prices of Goods Act.

Planning Staffs for Industry.—Sir Stafford Cripps (President of the Board of Trade) stated in the House of Commons on March 10 that the Government intended to set up a whole-time planning staff for each department concerned with trade, in-

dustry and economic affairs with a joint planning staff to strengthen inter-departmental planning.

Lighting in Shops and Offices.—The Ministry of Fuel and Power announced on March 10 that consumers in shops and offices who found that strict conformity with the electricity restrictions interfered seriously with their activities might, as an alternative to complete switching off during restricted hours, use during such hours a minimum of electricity to enable them to carry on their work, provided they reduced the total consumption during each twenty-four hours by not less than one-third of the amount of electricity consumed in the corresponding period of 1946.

Private Trade with Germany Resumed.—The Board of Trade announce that as from March 4 the Trading with the Enemy Regulations will be lifted making it possible for private traders to import goods from the British and American zones of Germany. Imports into the zones will for the time being remain on Government account. At present only essential goods will be re-

ceived from Germany, such as machinery and other industrial equipment, and chemicals. There will be no token imports. Payment for the goods will be in sterling. Traders should apply to the Sundry Materials Branch of the Board of Trade, 10 Old Jewry, London, E.C.2, for import licences, while further details of the scheme may be obtained from the German Division, Board of Trade, I.C. House, Millbank, London, S.W.1.

Disinfectant Manufacturers.—The following officers and executive committee of the British Disinfectant Manufacturers' Association have been appointed for 1947: *Chairman*, Mr. T. C. Betteridge (Cooper, McDougall & Robertson, Ltd.), *Vice-chairman*, Mr. A. J. Black (Lehn & Fink Products, Ltd.), *Treasurer*, Mr. Victor G. Gibbs (William Pearson, Ltd.), *Auditors*, Mr. F. C. Seager (William Pearson, Ltd.) and Mr. A. Gale (Milton Antiseptic, Ltd.); *Executive Committee* (elected members): Messrs. R. G. Berchem (Jeyes Sanitary Compounds Co., Ltd.), A. E. Berry (Milton Antiseptic, Ltd.), Knowles Edge (William Edge & Sons, Ltd.), W. Elliott (Killgerm Co., Ltd.), V. G. Gibbs (William Pearson, Ltd.), W. Mitchell (Hull Chemical Works, Ltd.), W. Morgan-Thompson (Monsanto Chemicals, Ltd.), and J. E. Wells (Sanitas Co., Ltd.).

Home Health Services.—The Minister of Health has asked local health authorities set up by the National Health Service Act to start organising the home and other health services for which they will be responsible. A time-table has been given for the submission of proposals as follows:—Vaccination and immunisation, and ambulance services, June 30; midwifery, health visiting, home nursing, prevention of illness, care and after-care, domestic help, and duties under Lunacy and Mental Treatment and Mental Deficiency Acts, August 31; care of mothers and young children, September 30; health centre, November 30. Authorities able to submit proposals before the dates given in the time-table are asked to do so. The first step for each local health authority to take is to constitute a Health Committee; the Committee will consider what subcommittees are needed. The Minister has asked each authority to publish in the local Press the dates on which their proposals are to be submitted to him for approval. By this means any bodies of whose interest the authority was unaware will be informed of the position in order to make any desired recommendations.

LOCAL NEWS

Sheffield Social.—A social evening was held recently by Sheffield Branch of the Pharmaceutical Society. There was a mixed programme of competitions and games.

Halifax Branch Secretary.—Mr. Charles Stevens, M.P.S., 112 Clapton Mount, Halifax, has been appointed *Secretary* of the Halifax Branch of the Pharmaceutical Society.

Birkenhead Charity Ball.—The Birkenhead Pharmacists' Association held an annual charity ball recently in aid of the Pharmaceutical Society's Benevolent Fund. About 260 guests were present.

Walthamstow Lecture.—At a recent meeting of the Walthamstow Pharmaceutical Association, Mr. D. G. Ardley (May Baker, Ltd.), gave a lecture entitled "The Chemotherapy of Bacterial Infection."

West Kent Dance.—As the result of a dance held recently by the West Kent Branch of the Pharmaceutical Society nearly £66 has been sent to the Society's Benevolent Fund.

Warrington Branch Secretary.—The secretary of the Warrington Branch of the Pharmaceutical Society, the Warrington Pharmaceutical Committee and the Warrington Chemists' Association is Mr. E. V. Twiss, 717 Knutsford Road, Warrington.

Chester Branch Lecture.—At a meeting organised by the Chester Branch of the Pharmaceutical Society recently, Dr. W. J. Grace (a Home Office pathologist) gave a lecture, illustrated by lantern slides, on "Interesting Forensic Cases."

West London Film Show.—The Western (London) Pharmacists' Association were guests of the Wellcome Foundation, Ltd. at the Wellcome Research Institution, London, recently, when Mr. H. J. Parish, M.D. gave a lecture on antitoxins and introduced a film on "The Preparation of Diphtheria Antitoxin and Prophylactics," afterwards answering a number of questions.

Concert to Provide Equipment.—Proceeds of a concert given by the Northern Philharmonic Orchestra on March 12 are organised by an anonymous committee of friends of Leeds Infirmary are to be used to help to expand a newly-established penicillin preparation department. Hitherto Mr. Benjamin Wood (chief pharmacist at the hospital) has had to carry out work on penicillin preparation in a corner of the already congested dispensary.

Grimsby Dinner and Dance.—At a dinner and dance held recently by the Grimsby Pharmacists' Association, Mr. H. Bingham (resident) responded to a tribute paid to all pharmacists by the guest of honour, Mr. Frank Martyn (chairman, Grimsby Division, British Medical Association). Mr. S. Proctor (secretary) proposed "The Visitors." Mr. R. Spyvee was toastmaster.

Bradford N.P.U.—Addressing a meeting of the Bradford Branch of the National Pharmaceutical Union, recently, Mr. H. Noble (deputy secretary, N.P.U.) described the questionnaire which was being circulated to 2,000 proprietor pharmacists by the Joint Committee on a National Pharmaceutical Service (see *C. & D.*, February 15, p. 9).

Perth Lecture.—At a meeting of the Dundee and East and Central Scottish Branch of the Pharmaceutical Society held recently in Perth, Mr. A. R. Lowson (chairman) presiding, a lecture on "Recent Advances in Therapeutics" was given by Mr. D. G. Ardley (May & Baker, Ltd.). 5s. was collected for the Society's benevolent Fund.

Manchester Penicillin Lecture.—Mr. R. Walmsley presided at a recent meeting of the Manchester Branch of the Pharmaceutical Society at which Professor H. Brindle gave a lecture on penicillin. He described its chemistry, manufacture and standardisation, and explained the precautions necessary in dispensing penicillin preparations.

Manchester Junior Branch.—At a meeting of the Junior Branch of the Manchester Pharmaceutical Association recently, Mr. F. W. Selman, B.Sc., gave a lecture "Modern Developments in Photography," illustrated by films and lantern slides. Mr. Selman dealt with mass photography and infra-red and high-speed photography.

Brighton and Hove.—At a recent meeting of the Brighton and Hove Branch of the Pharmaceutical Society, at which Mr. W. Hudson (chairman) presided, Mr. J. Tristram spoke on "The Pharmaceutical Situation." Questions were asked by Messrs. Stranger, Brighton, and by Messrs. F. George, Portslade, L. Watson, Bannard, F. A. Thomas, Hove, and H. B. Mackie (School of Pharmacy, Brighton Technical College).

Manchester Golfers' Dinner.—At a dinner held by the Manchester Pharmaceutical Golfing Society recently, Mr. S. D.

Andrew (captain) paid a tribute to the late Mr. J. H. Franklin who had been president of the Society for sixteen years. Mr. T. Miller was elected *President* and Mr. J. A. Collins *Vice-president*. Details of membership may be obtained from Mr. W. E. Phillipson, 1 Ruthin Avenue, Alkington, Middleton, Lancs.

Manchester Public Pharmacists.—The first post-war dinner and dance of the Manchester Branch of the Guild of Public Pharmacists, held recently, was attended by some 200 guests including Mr. F. J. Cable (general superintendent, Manchester Royal Infirmary), Captain W. Griffiths, M.P., Dr. C. Metcalfe Brown (medical officer of health, Manchester), Dr. J. L. Burn (M.O.H., Salford), Professors Brindle and Macdonald, and Mr. F. W. Adams (deputy secretary; Pharmaceutical Society). Mr. W. E. Phillipson acted as toastmaster.

King's Lynn Officers.—At the annual meeting of the King's Lynn Branch of the Pharmaceutical Society recently, it was decided to draw the attention of the Panel Committee to the repeated issue by local doctors of incomplete prescriptions for Schedule 4 poisons. The following officers were elected: *Chairman*, Mr. W. Blott; *Treasurer*, Mr. C. H. Ingamells; *Secretary*, Mr. F. C. Bentley; *Assistant Secretary*, Mr. H. Hart. At the annual meeting of the King's Lynn Branch of the National Pharmaceutical Union, the same officers were elected to corresponding positions in the N.P.U. Branch. Discussions took place on the Chemists Federation and on a suggestion for an employees' pension scheme similar to those operated by large retail companies.

IRISH NEWS

Dublin Drama Society.—The Dublin Pharmaceutical Chemists' Drama Society recently presented for a week at a Dublin theatre a production of "Love From A Stranger."

Eire Chemists' Golf.—The first outing of the season of the Irish Chemists' Golfing Society will be held at the County Louth Golf Club, Baltray, on April 20. The annual three-day outing will again be held at Bundoran at the week-end June 14-18.

Camogie Club Social in Dublin.—The annual social of the Chemists' Camogie Club of Eire was held recently in Dublin. Miss Cora Gaffney (president) recounted the club's achievements during the year and appealed for new members.

DAMAGES AGAINST HOSPITAL AND SURGEON

THE injection of a lethal dose of cocaine in mistake for procaine at Wellhouse Hospital, Barnet, Herts, led to a claim for damages in the King's Bench Division recently. Mrs. Mabel Mary Collins (widow of the patient, James William Henry Collins, Lytton Road, New Barnet, sued Hertfordshire County Council, owners of the hospital, and Mr. Alan Henderson Hunt (the surgeon who performed the operation and injected the solution) alleging negligence. Both defendants denied negligence and denied their liability in law. After a four-and-a-half-day hearing, Mr. Justice Hilbery gave judgment for Mrs. Collins on March 11 for £2,500 damages, with costs against both defendants, and he apportioned the damages equally between them. It was stated that at the operation, which took place on April 20, 1945, Mr. Hunt injected 80 c.c. of a 1 per cent. cocaine and 1-20,000 adrenaline solution. Mr. Collins died shortly afterwards.

Instructions by Telephone

Mr. Hunt said in evidence that the day before the operation he telephoned instructions to Dr. Eleanor Knight, who was acting as student house surgeon though not then qualified. He told her to have ready 100 c.c. of 1 per cent. procaine and 1-200,000 adrenaline, adding that the latter totalled about five minims. Dr. Knight, in the witness-box, said she understood that Mr. Hunt asked for 100 c.c. of a 1 per cent. cocaine and adrenaline solution. He had said he was not sure whether the adrenaline should be 1 in 20,000 or 1 in 50,000 and asked her to check up. She had the solution made up by the hospital pharmacist. She also stated that she had never heard Mr. Hunt refer to procaine and he had always previously asked for Novocaine.

Mr. Hunt contended that he always called the drug procaine because Novocaine was a German trade name and since the war the use of that name had been discouraged. No prescription was needed for the solution he had ordered, and Dr. Knight ought to have known that the cocaine solution was lethal and should have stopped him injecting at the operation. Mr. Hunt also blamed the pharmacist (Mr. Anderson) for not obtaining written instructions and the signature of a qualified person before dispensing the solution, and for not querying it. 20 c.c. of the solution prepared was lethal.

Giving judgment, Mr. Justice Hilbery

said the circumstances of the case were not likely ever to occur again. He was satisfied that there was a mishearing on the telephone, but Dr. Knight ought to have known that the solution was required for an injection. He was also satisfied that Dr. Knight told the pharmacist the operation for which the solution was required. While he made no imputation against Mr. Hunt's skill, or his truthfulness or honour, his lordship held that Mr. Hunt, in asking for the local anæsthetic had failed to ask if it was procaine. Although Mr. Hunt expected Dr. Knight to use her skill and reason and bring her mind to bear on what he was saying, he was still under a duty to ensure he was getting what he ordered. He (the judge) held that Dr. Knight was negligent because she knew the solution was lethal and was required for an injection. The pharmacist was also negligent.

"If Miss Knight or the pharmacist had used reasonable sense and care, that mixture could not have got to Mr. Hunt," said. If the attention of any qualified person had been called he would have immediately rung up Mr. Hunt.

His lordship said the hospital had permitted a dangerous and negligent system to be in operation; under this system, the pharmacist on a verbal order was able to dispense a phenomenal amount of a dangerous drug without a qualified person's signature. The hospital had negligent failed to bring to Dr. Knight's attention the rules concerning dangerous drugs, the hospital had had a proper system, such a solution could not have reached the operating theatre, let alone the body of the unfortunate patient.

Strictures on Pharmacist

The judge said the pharmacist ought to have had a prescription in writing from a medical officer. It was also laid down in the British Pharmacopœia that a pharmacist, when required to dispense an unusual large quantity of a dangerous drug, should take steps to verify. This pharmacist took an order by word of mouth for an unheard-of dosage for injection of cocaine and adrenaline. He took no steps whatever to insist upon a qualified person initialling the order, and he made no attempt to check with Mr. Hunt. He disregarded every sort of ordinary safeguard in the making up of dangerous drugs.

His Lordship held that the hospital was responsible for the acts of Dr. Knight and the pharmacist but not those of Mr. Hunt.

TOPICAL REFLECTIONS

An Inequitable Tax

An outstanding feature of your last week's issue is the collective views of seven leading organisations on the incidence of purchase tax as applied to goods sold by chemists (pp. 248-49). All the observations corded point to the same conclusion: no prejudiced reader can doubt that a sound case for reduction and eventual abolition of the tax is made out. Medicines of every kind have an unanswerable claim to be freed from this burden. The present system, so far as they are concerned, "bristles with anomalies," as the Wholesale Drug Trade Association puts it. The Scottish Pharmaceutical Federation makes the further point that, in addition to being unfair, the tax in relation to medicinal articles has failed and must, of necessity, continue to fail to encourage economy." The effect of the tax, if continued in its present form, on the rising cost of toilet preparations is stressed in another pronouncement. Obviously it will involve a further addition to every scale of prices of these articles. The burden on wholesalers in the matter of keeping records and making prompt payment of uncollected tax is set forth in plain terms; and the difficulty potentially confronting retailers when the tax is reduced or abolished is clearly explained. These problems call for timely consideration, so that the wholesale and retail trades affected may have plans ready to meet any situation that the coming Budget may bring upon them.

Birmingham Centenary

Had the supply of paper mentioned in our second editorial article of March 8 been adequate, you would no doubt have allotted more space than you have been able to spare (p. 258) for a report of the centenary dinner of the Birmingham Pharmaceutical Association. Very few associations of chemists can show a longer ancestry than this Midland body. Founded a century ago as the Birmingham Pharmaceutical Institution, it became the Birmingham Chemists' and Druggists' Association in 1869, and issued a dispensing price list under the title of the Midland Counties Chemists' Association it did a notable service to the trade by calling a meeting, in 1876, to consider what could be done to protect chemists against harassing prosecutions under the first Sale of Food and Drugs Act. At this meeting the Chemists' and Druggists' Association of Great Britain

was formed. Offices were set up in Birmingham, and for several years the Association functioned with excellent results. Among proceedings in which it backed the defence was the well-known case of Mr. Shepperley, of Nottingham: the committee of the Association also took up with the Board of Inland Revenue certain aspects of liability to medicine-stamp duty. In the 'nineties the Association (then known as the Midland Pharmaceutical Association) took a prominent part in forming the Federation of Local Associations. Before the Federation came to an end it had paved the way for the Local Associations Executive, a body entrusted with panel chemists' interests under the National Health Insurance Act until the formation of the National Pharmaceutical Union. The present title of the Association was adopted in 1914.

Educational Policy

The interim report on education recently presented to the Council of the Pharmaceutical Society (p. 254) merits careful reading by all who are concerned with the training of apprentices as well as by educationalists. With every desire to see pharmaceutical studies kept on a level commensurate with that of other scientific vocations, I must note my impression that this report is a somewhat laboured document and that it smells of the lamp. A cumbrous elaboration is evident in the section beginning "The main weakness of the present educational requirements is that they do not produce a class of pharmacists —." The purport of the five paragraphs that follow these words might have been sufficiently expressed in the fifth paragraph: "who can deal with authorities in other fields on equal terms." If the content of these paragraphs is accepted without an allowance for rhetorical overstatement, the natural conclusion will be that British pharmacists are extremely poor creatures. Much of what is written in the report on the origin and development of pharmacy in this country is too familiar to need such solemn recapitulation. Busy readers may safely "skip" the first half or so of the report and confine themselves to the actual proposals of the Education Committee. In broad outline these proposals will command a considerable measure of agreement; but I must enter a warning against overloading any curriculum that may be devised. An important guide is the limit of factual matter a student can memorise.

Xrayser

COMPANY NEWS

PHILIP BAINES & Co., LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, druggists, etc. Philip Baines and Mrs. Louie I. Baines, directors. R.O.: 13E Regent Parade, Harrogate.

MEDI BREN MANUFACTURING Co., LTD. (P.C.).—Capital £500. To carry on the business of manufacturers of, and dealers in, chemicals, drugs, etc. J. W. Rees and Mrs. V. I. Rees, directors. R.O.: 8 Fabian Street, St. Thomas, Swansea.

LANSDOWNE PHARMACY, LTD. (P.C.).—Capital £1,000. To carry on business as indicated in the title. David Fieldgrass, Rosaline Fieldgrass and Jessie Moisa, directors. R.O.: 2 Lansdowne House, Christchurch Road, Bournemouth.

HAWLEY & SON, LTD. (P.C.).—Capital £1,500. To acquire the business of pharmaceutical chemists carried on by J. P. Hawley and H. T. N. Hawley at 331 Lockley Road, Weston-super-Mare. John P. Hawley and Henry T. M. Hawley, directors.

KIRK EXTRACT Co., LTD. (P.C.).—Capital £1,500. To acquire the business of the Kirk Extract Co., carried on by Harold L. Croasdale at 41 Springfield Road, Burnley, to carry on the business of chemists, etc. Harold L. Croasdale, director.

BIOCHEMICALS (OXFORD), LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in drugs, medicines, chemicals, etc. Bernard Vaughan-Games and Miss Dorothy M. Roff, directors. R.O.: 4a Charles Street, St. Ebbes, Oxford.

BROADBENT, BLACK & Co., LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of pharmaceutical and allied products, etc. Bertram M. Black, Harold J. Butter and Frank de Longa, directors. R.O.: The Albany, Old Hall Street, Liverpool, 3.

STUDIO COSMETICS, LTD. (P.C.).—Capital £500. To carry on the business of manufacturers, exporters and importers of and dealers in cosmetics, etc. William P. Geale, Ada F. Geale and Maurice A. Geale, directors. R.O.: 43 Charteris Road, Finsbury Park, London, N.4.

CARTIER (PERFUMERS), LTD. (P.C.).—Capital £500. To carry on the business of manufacturers of and dealers in cosmetics, perfumes, toilet preparations, drugs and chemicals, etc. Wynfred J. Frendenburg

and Norman S. Hunt, directors. R.O.: Cromwell Road, London, S.W.7.

CHEMICAL COMPOUNDS, LTD. (P.C.).—Capital £5,000. To carry on the business of research, manufacturing and general chemists, druggists, etc. Herbert M. Wolf, Isaac A. Codron and Walter E. Vine, directors. R.O.: 60 St. Paul's Churchyard, London, E.C.4.

SWANWICK LABORATORIES, LTD. (P.C.).—Capital £500. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. Arthur F. Cole and Thomas K. Clarkson, directors. R.O.: Appletrees, Bridge Road, Swanwick, Hants.

HIGHLINE PRODUCTS, LTD. (P.C.).—Capital £3,000. To carry on the business of manufacturing chemists, manufacturers of and dealers in chemicals, cosmetic druggists' sundries, etc. John P. Hodgson and Dorothy V. Hook, directors. R.O.: Union Street, Kendal, Westmorland.

VIZILIA MANUFACTURING Co., LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, gases, drugs, medicines, etc. Robert N. Stephenson and Marion Stephenson, directors. R.O.: 24 Eldon Square, Newcastle-on-Tyne.

E. S. DAVIS (CHEMIST), LTD. (P.C.).—Capital £2,500. To carry on the business of chemists, etc. Sidney Davis, Ernest Davis, Morgan L. Russell and William Griffiths, directors. R.O.: 111 Southgate Street, Gloucester.

JOHN SMYTHE (LONDON), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in pharmaceutical preparations, chemicals, gas drugs, etc. First directors are to be appointed. Solicitors: Kenneth Brown, Baker, Essex House, London, W.C.2.

LINTHORNES, LTD. (P.C.).—Capital £20,000. To acquire the business of dispensing and photographic chemists previously carried on by John J. Linthorn at H. F. Belsher, at 1351 Stratford Road, H. Green, Birmingham, 28, and in other premises in Birmingham. John J. Linthorn and Charles R. Smith, directors.

CORRECTION.—We regret that a report trading accounts for 1946 given in last week's issue (p. 240) was incorrectly given under "Southalls Bros. & Barclay, Ltd." The report referred to the accounts of Southalls (Birmingham), Ltd.

TRADE NOTES

Insulin Prices.—New prices for British brands of insulin, based on increased costs, are listed in an advertisement elsewhere in this issue.

Distribution in Eire.—From March 31, Messett & Johnson (Ireland), Ltd., 6 Crow Street, Dublin will act as sole distributors in Eire for the products of Genatosan, Ltd., Loughborough, Leics, England.

In Full Production.—Ashley & Weeks, Ltd., 165 Mitcham Road, Tooting, London, S.W.17, have installed a modern diesel generating set for power supply and are back in full production.

Supplies Exhausted.—Pharmax, Ltd., Box House, Minorities, London, E.C.3, state that they have been compelled to build up supplies of Ralgex owing to lack of supplies of cartons due to the recent power cuts. Supplies of Diuromil are still available from the company.

Again Available.—Limited supplies of Opta solid-fuel tablets will be available to chemists early in April. Orders should be placed without delay. Wholesalers' inquiries should be submitted to M. P. Mulson, Ltd., 18 Chequers Street, St. Albans, Herts.

Price Increases.—From March 10, increased prices have been in operation for McLeans peroxide tooth-paste and Fynnon Ltd. Both products, which are on the A.T.A. list, are manufactured by Macnans, Ltd., Great West Road, Brentford, Middlesex.

Change of Title.—Optrex, Ltd., Perivale, Middlesex, announce that they have changed the title of Optrex tulle to Optulle. The packings are unchanged, and distribution is through Charles F. Thackray, Ltd., The Old Medical School, Park Street, Leeds, 1.

Silver Coating Suspended.—Owing to the present exceptional demand for Melonin tablets, coinciding with a world silver shortage that particularly affects this country, Allied Laboratories, Ltd., 140 Park Lane, London, W.1, state that they are at the time being unable to silver-coat these tablets. In all other respects the preparation is unchanged.

Emergency Pack.—Owing to the fuel crisis, The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, have been unable to secure sufficient glass vials to enable them to send out 25's of Crooke's halibut-oil capsules

in glass containers. As an emergency measure, they are reintroducing a war-time cardboard pack (as used for the 100's) bearing a red label giving contents and price.

Tonic Approved.—Vinecta Products, Ltd., manufacturing chemists, Dewsbury, announce that Vinecta tonic has been approved and licensed by the Ministry of Food. The product is made to an improved formula and dispatch of supplies will commence on April 1. Orders may be placed now. To enable customers to clear existing stocks, a new reduced price will not be mentioned in the company's advertisements for six weeks from the current date.

Ideal Home Exhibition.—A special section of the "Daily Mail" Ideal Home exhibition which opened in London on March 4 is devoted to beauty preparations, and some forty leading manufacturers of toilet goods are represented. Many of the exhibitors feature demonstrations of the use of their products, and have experts to advise visitors on their beauty problems. The exhibition is open until March 29.

Service After Works Fire.—Middleton & Co., Ltd., manufacturing chemists and scientific apparatus dealers, 90 Boundary Road, Middlesbrough, state that, through the strenuous efforts of the staff, a fire which broke out in the galenical stock room was prevented from spreading. Although there will be slight delays in delivery of a few galenicals and drugs, the penicillin service and proprietary side of the business are unaffected.

New Price List.—Parke, Davis & Co., Beak Street, London, W.1, have now distributed to all retail pharmacists the latest edition of their price list. Two important features of the new edition, which is arranged alphabetically, are that, with a few exceptions, all prices shown are minimum retail prices per package (with purchase tax per package). Chemists receive a discount of 33½ per cent. from those prices. The new prices and discounts became effective on March 1.

Proprietary Articles Trade Association

ALTERATIONS TO PROTECTED LIST.—The Crookes Laboratories, Ltd., Halycalcyn capsules, 100's, 9s. 6d., 76s. doz. (exempt from tax).

Wright, Layman & Umney, Ltd., Wright's coal-tar shampoo powders are now sold loose instead of in boxes of seven: 2s. 3d. doz., tax one-third, inclusive retail price 4d.

BIRTHS

HULL.—At Rosslyn nursing home, Moss-ley Hill Road, Liverpool, on February 28, the wife of Charles Edward Hull, M.P.S., of a daughter.

SEAMER.—At Queen Charlotte's Hospital, London, W.6, on March 4, Lorna (née Rowlett), the wife of John A. Seamer, M.P.S., 4 Cressing Road, Braintree, of a daughter (Elizabeth Ann).

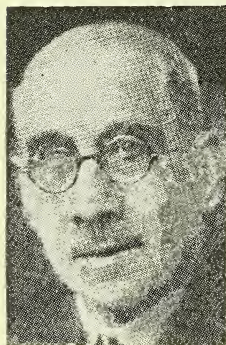
WALLACE.—On March 5, Nan, the wife of Harry Laurence Wallace, M.P.S., 119 Albert Drive, Glasgow, S.1, of a daughter (Anne Christine).

MARRIAGE

Golden Wedding.—**GEDGE—WEBB.**—At St. Matthias' Church, Malvern Link, on March 4, 1897, Augustus Westly Gedge, M.P.S., to Kate Webb. Present address, Galen House, Worcester Road, Malvern Link.

DEATHS

CHALMERS.—At his residence, Knowe Croft, Ashcombe Avenue, Surbiton, Surrey, on March 10, Mr. William Chalmers, M.P.S., aged eighty-one.



Mr. Chalmers served his apprenticeship in Dundee. After two years as an assistant in Elgin he joined the Greenock Apothecaries' Co., and from there went on to posts in Liverpool and Cheshire. While at Liverpool he contributed as a

"freelance" to *THE CHEMIST AND DRUGGIST*, and in 1898 was appointed to a vacancy on the editorial staff of the paper. In 1919 he became Publisher of the *C. & D.*, a position he held with distinction until his retirement in 1936. The funeral took place at St. Matthews Church, Surbiton, on March 13. A colleague (J. R. G.) writes:—"The passing of William Chalmers leaves a gap in pharmaceutical personalities indeed difficult to fill. His wealth of pharmaceutical knowledge, backed by a shrewd judgment and broad outlook, made him a wise counsellor on many problems during recent years. Possessing that all-too-rare faculty of making an abundance

of friends with never an enemy, his serene charm endeared him to all who had the good fortune to know him or serve under him. His quiet and unassuming disposition and kindly demeanour will ever remain a pleasing memory."

CHARLES.—On February 3, Mr. Isaac Jenkin Charles, M.P.S., 45 Waddon Road, Croydon, Surrey, aged fifty-eight.

ELTOFT.—On February 11, Mr. Joseph Edwin Eltoft, M.P.S., 46 Gerald Road, Bournemouth, aged seventy. Mr. Eltoft qualified in 1921.

ESTERMAN.—Recently, Mr. Harry Esterman, M.P.S., 9 Regency Place, London S.W.1. Mr. Esterman qualified in 1927.

EVANS.—On January 30, Miss Mary Evans, M.P.S., Cwm Lan, Carmarthen Road, Cross Hands, Carmarthenshire.

FLETT.—At Charleville, 5 Glasgow Road, Uddingston, Glasgow, on March 2, Mr. Arthur Flett, M.P.S., 87 Main Street, Uddingston, aged eighty-five.

FORRESTER.—Earlier reported missing from a flight over Norway in April 1944 and now officially presumed killed, Mr. Denis Arthur Forrester, M.P.S., Claremont The Green, Stockton Brook, Stoke-on-Trent. Mr. Forrester qualified as a pharmacist in 1939.

GREGORY.—On February 13, Mr. William Joseph Gregory, M.P.S., 37 Northbrook Street, Newbury, Berks. Mr. Gregory qualified in 1895.

HALL.—On February 5, Mr. Albert Hall, M.P.S., Tudor House, Parkside, Cheam, Surrey. Mr. Hall qualified in 1920.

HAMBURGER.—Recently, Mr. M. Hamburger, senior partner in M. Hamburger & Sons, merchants and importers, Ceylon House, Eastcheap, London, E.C.3. The interment took place at Brookwood Cemetery on March 7.

HARRIS.—On January 23, Mr. David Harris (managing director of Ambrosia Ltd.) 31 East Parade, Harrogate, Yorks.

HAYWARD.—On January 30, Mr. Walter Edwin Hayward, Ph.C., 7 Lyde Green, Cradley, Worcs, aged seventy-seven.

HOWITT.—On February 14, Mr. Walter Henry Howitt, M.P.S., 178 Tuckton Road, Southbourne, Bournemouth, aged sixty-nine.

JAMES.—On December 30, 1946, Mr. William Doidge James, M.P.S., Miami, Florida, U.S.A. Mr. James qualified in 1903.

MANSFIELD.—Suddenly, at his home at Allingham, Surrey, after a brief illness, Mr. George Walter Mansfield, aged sixty-two. Mr. Mansfield, a well-known figure in the London drug markets, was one of the founders of Wilson & Mansfield, Ltd., and a member of the Essential Oils Importers' Committee.

McKAY.—In Belfast, on February 22, after a long illness, Mr. James Wilson McKay, Ph.C., 862 Shaw Road. Mr. McKay, who qualified in 1929, served his apprenticeship with the late Mr. Adam Gibson, Great Victoria Street, Belfast. He opened his own business at Greencastle, Belfast, and conducted it for many years before disposing of it in 1946, owing to ill-health. He is survived by his widow.

PEIRSON.—On February 5, Mr. Herbert Henev Peirson, M.P.S., 5 Hilton Lane, Little Hulton, Bolton, Lancs, aged seventy-one. From 1906-41 Mr. Peirson was the proprietor of a business at New Brighton.

REED.—On March 10, at High Trees, Inner Hill Road, Pinner, Middlesex, Mr. Albert Elder Reed (chairman, A. Elder Reed & Co., Ltd., 103 and 105 Battersea High Street, London, S.W.11), aged seventy-two. Mr. Reed, who was a founder-member of the company, was a member of the council, and a past chairman of the British Chemical and Dyestuffs Traders' Association.

ROWBOTHAM.—At Torleigh, Petitor Road, St. Marychurch, Torquay, recently, Mr. H. G. Rowbotham, aged seventy-three. Mr. Rowbotham was managing director of Gordon Murray, Ltd., and Birley's Antacid, Ltd., both of which companies were located in Torquay after having removed from London in 1939. A friend writes, "Mr. Rowbotham made a lifetime study of advertising,

and it has been said that he could obtain better results from a 2 in. advertisement than the average man could get from half page in the national Press. He was a man of dogged determination and would not turn his hand to anything, whether business or sport, unless he could give it his wholehearted efforts. As a result, he made

very few mistakes. . . . With his passing, the drug trade has suffered a loss of no small consequence." Mr. Rowbotham is survived by his widow and one son, Mr. Geoffrey Rowbotham, who will carry on the business interests of his father.

ROYLE.—On February 7, Mr. Lloyd Alfred Royle, M.P.S., 350 Grimshaw Lane, Middleton Junction, Manchester, aged fifty. A native of the district, Mr. Royle served his apprenticeship at the Middleton and Tonge Industrial Society's pharmacy in the Market Place, and opened his own business in 1924. During the war of 1914-18 he served on a hospital ship in the Dardanelles campaign, and in India.

SHELLEY.—Suddenly, on March 5, Mrs. C. G. Shelley, wife of Mr. Samuel Shelley, managing director of Samuel Shelley, Ltd., chemists, Market Place, Bilston, Staffs. Mrs. Shelley, herself a director of the company, had many friends in the trade.

SPEECHLY.—On February 4, Mr. Guy Ascelinus Speechly, M.P.S., 12 Victoria Road, Southborough, Tunbridge Wells, Kent, aged seventy-four. From 1914-1941, Mr. Speechly was the representative of The British Drug Houses, Ltd., London, on the south coast.

TINKER.—Recently, Mr. Ronald Newton Tinker, M.P.S., Oak Dene, Woodhouse, Shelley, Yorks. Mr. Tinker qualified in 1928

WHITFIELD.—On February 16, after a long and painful illness, Mr. Frank S. Whitfield, aged sixty-three. He was for a number of years on the staff of May, Roberts & Co., Ltd., London, before becoming, in 1922, buyer for Solport Bros., Ltd., London, of which company he became a director in 1937. During the 1939-45 war he was responsible for the satisfactory execution of the many Government contracts undertaken by the company. A colleague writes: "His cheery, receptive disposition and boundless energy will be greatly missed at Solports, and also by the representatives in the trade who called upon him regularly in the course of their business."



C. & D. DISPENSING PRICE LIST

THE following price changes which took place during February should be noted :—

Cost		Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price		
d.	per		4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
54	lb.	Aloe Cap. pv.	1 11	0 7	0 1
49	oz.	Arg. nit. cryst.	—	—	1 2
57	oz.	Argenti nitras indurat. 8 ^s	—	—	1 5
77	oz.	Barbitonum R only	—	—	1 10
25	lb.	Barii sulphas B.P.	1 1	0 4	—
96	lb.	Benzoin. pv.	3 5	0 11	0 2
218	lb.	Bism. carb.	7 10	2 4	0 4
186	lb.	Bismuthi sub- nitras ..	6 7	1 11	0 3½
25	dr.	Caffeinae valerianas	—	—	3 9
48	lb.	Carum pulver.	1 9	0 6	—
15	lb.	Colophonium	0 8	0 2½	—
21	lb.	Dextrosium ..	—	—	—
		2s. 7d. lb.	0 9½	0 3	—
18	lb.	Dextrosi monohydras	—	—	—
		2s. 3d. lb.	0 8½	0 3	—
31	dr.	Dithranol ..	per gr.	0 1½	4 7
26	oz.	Ext. hydrastis liq. ..	—	—	3 0
21	oz.	Hyd. oxid. flav. P.1 (8)	—	3 1	0 5½
21	oz.	Hyd. oxid. rub. P.1 (8)	—	3 1	0 5½
17	oz.	Hyd. per- chloridum S.1 P.11 (4)	—	2 6	0 4½
19	oz.	Hyd. subchlor.	—	2 10	0 5
29	lb.	Liq. picis car- bonis meth.	1 1	0 3½	—
77	lb.	Liq. tolu. . .	2 8	0 9	0 2
28	lb.	Maranta (St. Vincent) opt.	1 0	0 3½	—
8	oz.	Ol. cadinum	—	1 2	0 2
71	oz.	Ol. hippoglossi	—	10 4	1 8
23	lb.	Ol. lini	—	—	—
		3s. 2d. (16 oz.)	0 11½	0 3	—
30	lb.	Ol. ricini opt.	—	—	—
		3s. 9d. (16 oz.)	1 1	0 4	—
21	dr.	Ovarian subst.	—	—	3 1
42	lb.	Paraldehydum	1 6	0 6	0 1
119	lb.	Potass. glycero- phosph. liq.	—	1 8	0 3
21	oz.	Tr. hydrastis	—	3 1	0 6
22	lb.	Zingib. rhiz. Afric. pulv.	0 10	0 3	—

BUSINESS CHANGES

PARKE, DAVIS & Co. have appointed Mr. Brendan O'Connor, M.P.S.I., to their staff of representatives in Eire.

EAST SUFFOLK COUNTY INSURANCE COMMITTEE has removed to 32 Silent Street Ipswich (Telephone: Ipswich 4077).

MR. HUGH McELHINNEY, R.D., has opened a new business at Rathangan, Co. Kildare.

MR. ANDREW KILDEA, M.P.S., The Pharmacy, Bridge road, Sutton Bridge, Lincoln has been granted a licence to sell spirits.

MR. A. J. ESLEY, M.P.S., has resigned his vice-chairmanship and directorship of Timothy Whites and Taylors, Ltd.

MR. STANLEY CECIL BARKER, M.P.S., has joined the staff of Rentokil, Ltd., Stockwell Road, London, S.W.9, and Fetcham, Surrey.

KNIGHT'S OIL & CHEMICAL CO., LTD. have removed to Church Road, Perry Barr Birmingham, 20 (Telephone: Birchfield 5271).

MIDDLESEX PHARMACEUTICAL COMMITTEE has removed to 21 Bloomsbury Square London, W.C.1 (Telephone: Museum 3237).

THE ALUMINIUM DEVELOPMENT ASSOCIATION has removed to 33 Grosvenor Street, London, W.1 (Telephone: Mayfair 7501).

MR. NORMAN L. BANKS, M.P.S., has acquired the business of H. A. Elliot (Chemist) Portsmouth, Ltd., 97 London Road, Portsmouth.

MR. A. M. MALCOLM, M.P.S., has acquired the business at 261 Castlemilk Road, Glasgow, formerly carried on by Mr. D. Cothill, M.P.S.

MR. W. C. E. HAYES, M.P.S., has been appointed assistant manager to the pharmaceutical department of Genatosan, Ltd. Loughborough, Leics.

YORK CO-OPERATIVE CHEMISTS' SOCIETY LTD., have acquired the business at 14 Bishopthorpe Road, York, formerly carried on by C. & E. Davies, Ltd.

MR. J. R. BUTLER, M.P.S., F.S.M.C., has taken over the business of his late father Mr. B. H. Butler, M.P.S., at 195 London Road, and 85 Erleigh Road, Reading.

KORAY, LTD., 25 Hanover Square, London, W.1, have appointed Mr. A. C. Carter representative for North London and Middlesex. Mr. H. Twigg has been transferred to South London, Kent, Sussex and Surrey.

WOODFIELD COOKE, LTD., wholesale and retail chemists, 8 Birkenhead Road, Hoylake, Cheshire, have acquired the pharmacy at Central Buildings, Moreton, Cheshire formerly carried on by Mr. C. G. Coventry M.P.S.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

On March 3, Mr. A. R. HURD asked the Minister of Agriculture to what extent the supplies of potash fertilisers for use this spring would fall short of permits already issued to farmers. Mr. TOM WILLIAMS expected that, by the end of March, the total quantity of potash delivered for use by farmers in the United Kingdom might be as much as 25 per cent. less than would be required to meet permits.

Mr. HURD: Does not the Minister regard this as a very serious matter, and is he aware that it is the first time it has ever happened that fertiliser permits have not been met?

Mr. WILLIAMS: Surely Mr. Hurd is aware that the weather has not been too good for deliveries, and that, since potash is mainly drawn from Spain, France, Palestine, the Russian zone of Germany, and Chile, we can only distribute what they are prepared to send to us, and what weather conditions permit being sent.

Mr. Hurd gave notice that he would raise an adjournment debate on the subject.

Soya Beans

Mr. H. R. SPENCE asked the Minister of Food what percentage of the annual pre-war export of one million tons of soya beans from Manchuria was now available to this country. The reply, given by Dr. EDITH SUMMERSKILL (Parliamentary Secretary) was that recently the purchase of Manchurian soya beans for shipment through Chinese ports had been restarted, but she was not yet able to say how imports were likely to compare with pre-war quantities.

Wood in Food

SIR FRANK SANDERSON asked the Minister of Food whether, in view of the concern of many people in the country, he would state which foodstuffs offered for consumption to the British public wood, in any form, namely cellulose, was contained.

Dr. SUMMERSKILL, who replied, said that no foodstuff offered for consumption to the British public contained wood. Cellulose was a natural component of plant tissues, and it was therefore present in small amounts in all foods of vegetable origin.

Soap Ration

The Minister of Food was asked by Mr. J. COLLINS if he would consider effecting a reduction in soap exports to the extent of 500 tons per annum to enable the infants' supplementary ration to be extended to children up to two years of age.

Dr. SUMMERSKILL: Exports of soap are already being kept at the lowest practicable level. They are for N.A.A.F.I. and for countries, chiefly in the British Commonwealth, dependent on us for supplies. The soap ration for young children has been maintained unchanged since 1942, in spite of successive reductions in the adult ration, and I regret that it is not possible to increase it at the present time.

Mrs. GANLEY, who asked whether soap might be tied to registration, since unevenness of distribution was causing considerable difficulty to housewives, was told that the proposal was not practicable.

Factory Space in Government Hands

Mr. W. SHEPHERD asked the President of the Board of Trade what factory area was occupied for storage purposes by Government Departments and local authorities.

Mr. J. W. BELCHER replied: A total of nearly 41 million sq. ft. of industrial space is held by Government departments in requisitioned and leasehold industrial premises and Government-owned factories for storage purposes. The area of industrial space held by local authorities is negligible. The whole of the requisitioned industrial premises, aggregating 25 million sq. ft. is being vacated in the current year. The remainder of the space held is not suitable for civilian production.

Materials for Trade Fairs

Mr. JOHN LEWIS asked the President of the Board of Trade on March 5 to state his policy in regard to the provision of permits to acquire materials required by exhibitors at trade fairs. The reply was that policy must depend on the supplies available.

FIFTY YEARS AGO

Examination Fees and the Society's Revenue

[From the C. & D., March 13, 1897]

WE confidently appeal to the drug trade—those of it who are in the Society as well as those outside, since this is a matter which affects all—to do their utmost to frustrate the piece of jobbery whereby another five guineas would be extracted from each Minor candidate. The extravagance of the Council is the sole cause of the straitened circumstances that the Society finds itself in.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executive Committee of the National Pharmaceutical Union and of the directors of the Chemists' Defence Association were held in London on February 26, Mr. H. Steinman in the chair.

THE TREASURER (Mr. A. R. Melhuish) submitted reports of the Accounts Committee and treasurer, dealing with the annual accounts as at December 31, 1946. The reports were adopted.

Representations on Transport of Medicines

THE SECRETARY reported that, with other drug trade representatives, he had attended a deputation received by the Parliamentary Secretary of the Ministry of Transport in regard to the transport of medical supplies under the Road Transport Bill, and had also been present at a Press conference convened by the Wholesale Drug Trade Association. He had strongly supported representations that the transport of medicines should, in the interests of the public, be exempted from the provisions of the Bill.

Triennial Election of Executive

All members of the Executive were reported due to retire this year, and arrangements for the election of the Executive to hold office for the three-year period commencing April 1, 1947, made. Branch secretaries were asked to note that nominations were receivable up to March 7. Voting papers would be issued on March 14, for return to 4-5 Queen Square, London, W.C.1, not later than March 24. The results of the election would be declared at the annual meeting on March 26. The following constitute the Executive at the present time:—Messrs. H. Steinman (chairman) (N.W., 2); G. H. M. Graham (vice-chairman) (N.E.1); A. R. Melhuish (treasurer) (Metropolitan); F. E. Battershill (Southern 3); E. A. Brocklehurst (N.E. 3); D. A. Bryan (Western 1); H. E. Coulson (Eastern 2); B. Pugh Davies (Western 2); J. E. French (Southern 1); J. Hague (Eastern 1); J. Hearle (Metropolitan); T. Heseltine, N.E. 2; H. H. Marshall (Western 3); J. F. McNeal (Southern 2); E. Skues (Metropolitan); S. J. Stearn (Eastern 3); W. J. Tristram (N.W. 3.); P. Varley (N.W. 1).

Central Health Services Council

In response to an invitation from the Ministry of Health, it had been decided to submit to the Minister the names of Mr. W. J. Tristram, Dr. H. Davis and the secre-

tary of the N.P.U. (Mr. G. A. Mallinson) for the selection of two representatives for service on the Central Health Service Council.

Reports of meetings of the Business Services Committee held on February 25, the C.F. Council held on February 6, and the Publications and Price List Committee held on February 25, were received.

Executive Election Candidates

Nominations received in the election of the Executive Committee of the National Pharmaceutical Union, which will hold office for three years from April 1, 1947, involve contests in three electoral divisions as follows:—

SOUTHERN 1: Mr. John Edward French, Newington, Sittingbourne, and Mr. Donald William Hudson, 105 Church Road, Hove.

SOUTHERN 2: Mr. James Fallows McNeal, Little Chalfont, Amersham, and Mr. William Talven Rees, Cheltenham.

NORTH-EASTERN 3: Mr. Eric Arthur Brocklehurst, Hull, and Mr. Cyril Watson Hobson, Sheffield.

The following notes have been received from some of the candidates:—

BROCKLEHURST, Eric Arthur.—"As the retiring member for the area I ask members to renew confidence placed in me. For nine important and arduous years I have served the N.P.U. and helped to strengthen the position of the retail pharmacist. In 1946, when the N.P.U. completed twenty-five years' successful work, I was elected chairman. In addition to active participation in work of N.P.U. and allied organisations, I serve on the Joint Committee for National Pharmaceutical Service, Chemist Federation, Liaison Committee with the British Medical Association, Joint Industrial Council for Retail Pharmacy, and Central N.H.I. Committee. Recently the last named Committee obtained the satisfactory increase of 30 per cent. on cost for drugs etc., for chemist contractors for N.H.I. work."

FRENCH, John Edward.—"In offering myself for re-election to the National Pharmaceutical Union Executive, I wish to point out that, as one of the original founder members of that body, I have, during my occupation of that office, given my best for the cause of pharmacy. By the passing of the National Health Service Act, phar-

acy will be placed on a much higher level than hitherto, a position that it will be my first endeavour to simplify and maintain. As vice-chairman of the Kent Insurance Committee, and a nominee for a seat on the Executive Council shortly to be formed, and with my long experience gained whilst member of the N.P.U. Executive, I can only ask for the support of all members of the Southern Area No. 1 in my election."

McNEAL, James Fallows.—Elected to N.P.U. Executive in 1945. Serves on Publications and Accounts Committees, on Chemists Defence Association and on Chemists Mutual Insurance Co. Member of the Pharmaceutical Society's Council and a past vice-president of the Society. Has been chairman of the Society's Public

Services Committee and the War Auxiliary Benevolent Fund, and of Benevolent and War-aid Funds. Vice-chairman of the Joint Committee on a National Pharmaceutical Service and a member of liaison committee with British Medical Association. Mr. McNeal "considers that Executive has done its work well, particularly in raising payments for N.H.I. work. Executive is now involved in discussing final negotiations for new health service, and considers that the experience and knowledge gained should be utilised and hopes that members of N.P.U. will re-elect team which has done so well and should finish the job."

[Statements from other candidates had not come to hand at the time of going to press; they will be published in next week's issue.]

CHEMISTS FEDERATION

MEETING of the C.F. Council was held on March 6, the president in the chair. A meeting of the Standards Committee had been held on the previous day and a meeting of the Propaganda Committee prior to the Council meeting.

Reports of Committees

The Council received a report of the meeting of the C.F. Standards Committee, and the recommendations contained therein were approved and adopted. Mr. E. W. Hodding was elected *Chairman* of the Committee for the year. Three applications for manufacturer membership of the Federation were considered; two applications were deferred to enable various matters to be taken up by the secretary with the manufacturers concerned, and an application was accepted from Vitamins, Ltd., London, W.6, the schedule of the company's agreement to cover all its proprietary medical and pharmaceutical products.

Reports of meetings of the C.F. Finance and Establishment Committee, of which Mr. C. C. Feather was elected *Chairman*, and the C.F. Propaganda Committee, of which Mr. Elder was re-elected *Chairman*, were received; recommendations concerning propaganda work to be undertaken during the coming year were approved.

Applications for Wholesaler Membership

Five applications for wholesaler membership of the Federation were received; two were refused, two deferred for further consideration at the next meeting of the C.F. Council, and an application from John Millar, Dundee, was accepted.

THE PRESIDENT expressed the regret of the Council that it would be losing the valued services of Mr. J. D. Bohn, who had served upon the Council since 1938 and had held the offices of president, vice-president and, during the past year, treasurer; he expressed the Council's wish that Mr. Bohn would enjoy a long and happy retirement. Messrs. W. W. KNOTT, R. L. C. MONEY and J. HEARLE, supported on behalf of the manufacturers, wholesalers and retailers respectively. A letter was received from Mr. James McClenahan tendering his resignation as secretary of the Northern Ireland C.F. Committee, and the secretary was instructed to inform him of the Council's regret, and to express appreciation for the services he had rendered the Federation in Northern Ireland.

Mr. Lennox, who will represent The British Drug Houses, Ltd., on the Council, was welcomed by THE PRESIDENT.

The minutes of a meeting of the Scottish C.F. Committee were approved.

C.F. Display Stands

THE SECRETARY reported that difficulties in supplying C.F. display stands had been overcome, and that all orders had now been executed. A small number of stands remained, and orders were again being taken.

THE SECRETARY gave information concerning the new terms offered to chemists by Parke, Davis & Co., London, from March 1, and a resolution of thanks was passed. The Council discussed registration of the C.F. symbol as a standardisation mark, and the layout of the April issue of the C.F. Bulletin.

'TRIAD' CHERRY Flavoured **MALT & OIL**
COLD CAPSULES

'VYTINA' TONIC TABLETS
HALIBUT OIL & MALT
TONIC PHOSPHATES
TIN OX TABLETS



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Official organ of *The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and other Chemists' Societies in the Empire.*

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Pharmacy and the Community

UNDER the title "Pharmacy's Part in Society," the American Institute of the History of Pharmacy has issued, in a deluxe edition of 1,500 copies, a book (11 in. by 7½ in.; pp. 93) by Dr. George Urdang, whose essay on the two London Pharmacopœias of 1618 was reviewed in THE CHEMIST AND DRUGGIST recently. The secretary of the American Pharmaceutical Association, Dr. Robert P. Fischelis, points out in a foreword that there are in the United States about 53,000 pharmacies staffed by about 75,000 pharmacists, "each of whom contacts between 200 and 500 persons a day." Dr. Urdang develops his theme from the basis that pharmacy is a specialised occupation, and after a brief introduction sets forth its contribution to the well-being of society under such headings as "Pharmacists and Agriculture" and "Pharmaceutical Inventiveness and Manufacturing Industry." A summary and an index complete the volume.

The book is a mine of information on discoveries and improvements made by American, German and French pharmacists. References to British pharmacy are less complete; and with the exception of Scheele, pharmacists in other countries receive, as a rule, slight mention. Dr. Urdang emphasises the fact that E. F. A. Porneau, the distinguished French scientist, whose work on sulphonamides and other chemicals is summarised, has consistently described himself as a pharmacien. This

feature of a varying scale in the treatment of different countries gives point to a suggestion made some time ago in the *C. & D.*, that the ideal history of pharmacy, when it appears, will be the work of an international team representing every part of the civilised world.

A Promising Foundation

In discussing pharmaceutical education, the author gives an account of the American Foundation for Pharmaceutical Education, incorporated in 1942 and sponsored by all the American national pharmaceutical organisations that are members of the National Drug Trade Conference. Among the objects of the Foundation are the assistance of colleges and their students, and the selection of important research problems. A prospectus issued in 1943 states: "It is significant that the American Foundation for Pharmaceutical Education was established not by any single branch of pharmacy, but by the drug industry as a whole." Reports by this body will be awaited with interest on this side of the Atlantic.

One of the forty-seven illustrations in the volume is of exceptional interest. Dr. Urdang has called it "Allegoric Apotheosis of Pharmacy as the Master of the Art of Drug Preparation": it reproduces one of three engravings from a picture by the French painter Jacques Lajoue (1687-1761). Bryan's Dictionary allots several lines to this artist without mentioning either the picture or the engravings. In THE CHEMIST AND DRUGGIST Special Issue of July 10, 1926 there appeared (p. 90) a reproduction of a trade card circulated by Richard Siddall, a chemist, then in business at the Golden Head in Panton Street, London, near what is now Piccadilly Circus. Comparison of the two pictures shows that the designer of Siddall's card, Richard Clee (?), interpreted the painter's conception differently from the Swiss-German engraver whose work is shown in this book. In the English version the man seated in the foreground is clean-shaven; on the shelves to the left of the picture bottles and jars take the place of books; and there are other slight distinctions. Conversion into a trade card has been made without sacrificing much of the

foreground, the chemist's announcement being made on a piece of drapery suspended from each side of the laboratory. Siddall was a member of a "jury" selected in 1753 or 1754 to apply such chemical tests as could then be devised in order to settle the rival merits of James's Fever Powder and Schwanberg's Universal Fever Powder.

Healthy Optimism

When so much has been given, it may seem ungracious to expect more. We miss, however, a few names that might have appeared in so comprehensive a collection of facts—for instance, those of Edward Parrish and Joseph P. Remington in the United States, William Allen and George Claridge Druce in the United Kingdom. A few textual slips are worth correcting in the next edition of the book: Keats began life as a surgeon's apprentice, not in a pharmacy; Sir Humphry Davy's Christian name has no "e"; the Royal Society that meets in London is known as "The Royal Society" *simpliciter*; and mention of "the English parliament" makes British readers think of years before 1707. Dr. Urdang's concluding sentence, with its healthy optimism, may be cordially endorsed: "No matter to what extent the form of society may change, pharmacy will always have a part in it."

Continued Expansion in Chemicals Exports

THE aggregate of Britain's international trade for the first month of the year, as given in the Board of Trade Returns, (H.M. Stationery Office, price 4s. 6d.) shows that the steady increase noted throughout 1946 was maintained. In January 1946 exports of all classes of merchandise totalled £57.2 millions; by December the value had reached £82.9 millions for the month and by January the total had reached £91.2 millions, an increase of £34 millions on the year. Re-exports for January were maintained at the recent average of £5.0 millions.

Imports in January totalled £124.4 millions (£117.0 in December 1946 and £96.2 in January 1946) an increase of £28.2 millions on the year. The grand total

of Britain's international trade in January 1947 was £217.6 millions, compared with £157.6 millions in the first month of 1946 showing that the international trading account had increased in value by £60 millions a month in the past year.

The totals for the "Chemicals, etc." group for January were satisfactory in all respects. The value of exports for January amounted to no less than £5,827,651 against £4.8 millions in January 1946 and £1.9 millions, the average monthly total for 1938. Imports in this group of goods also show a marked increase during the first month of the year, with the total at £1.1 millions, against £1.2 millions in January 1946. Re-exports of chemicals and allied products decreased from £55,000 in January 1946 to £31,000 in January of this year.

It is of interest to note that the shipment value of quinine and its salts during January totalled £14,544, compared with £5,014 in the corresponding month of 1946. Glycerin exports totalled £86,664 in January 1946, but only £25,057 in January of this year. Exports of proprietary medicines continue to increase, with the January total at £411,883, against £327,699 a year ago. The total value of January shipments of drugs, medicines and medicinal preparations was £1,159,337 compared with £777,857 in January 1946. In practically all sections of the "Chemicals" group, and particularly in the case of drug trade goods, Great Britain's overseas business continues to expand and is now one of the leading features of her international trade.

The chief Empire destinations of the January shipments of chemicals and drugs were British India, £749,234; Australia £339,966; Union of South Africa £224,241; British Malaya, £217,188; British West Africa, £120,073; and New Zealand, £101,862. Other leading overseas buyers included the United States of America, £292,309; China, £289,187; Sweden, £250,557; Denmark, £198,370; Holland, £138,078; Belgium, £125,503; France, £93,840; Switzerland, £49,814; Algeria, £102,399; Egypt, £138,833; Iran, £109,836; and the Argentine Republic, £198,915.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEETINGS of the Council of the Pharmaceutical Society of Great Britain were held in London on March 4 and 5, the president (Mr. G. R. Knox Mawer) in the chair.

Discussions by Candlelight

The Council met on two of the worst days of the long blizzard, and members had arduous journeys, both from the provinces and in the London area. A notable experience was that of Mr. McNeal, who, on the Wednesday morning did not arrive until after the public business had been concluded, although he had set out from Hemmerham at 7 a.m. Mr. Deacon was taken ill while in London, and could not attend the Wednesday meeting. Part of the sessions took place by the light of candles, set in saucers on the Council table.

MR. C. W. MAPLETHORPE moved the adoption of the report of the Education Committee. A recommendation was approved that the conditions and procedure for recognition as followed in respect of London University external degrees in pharmacy should be adopted for the Pharmaceutical Chemist examination.

Training in Dispensing of Antibiotics

The Committee had considered a resolution by MR. GRANVILLE SHAW in the following terms:—

That steps be taken at the earliest moment to secure that pharmacists are trained in the preparation and dispensing of all preparations containing antibiotics.

Two suggestions were made in the discussion. One was to attempt to establish, in co-operation with the schools of pharmacy, a course covering three terms on two evenings a week, with both theoretical and practical work, in order to enable chemists and druggists to become completely familiar with the subject. The other was for a full-time day course, extending over a period of one month. Of this some pharmacists in hospitals and some in retail practice might be able to take advantage. The secretary of the Committee had been asked to communicate with the schools of pharmacy to ascertain the teachers' reactions. If the courses were arranged it would be the Council's responsibility to see that they were well supported.

MR. GRANVILLE SHAW said the Education Committee seemed completely to have misunderstood the intention underlying his resolution. When he raised the matter he coupled it with the Therapeutic Substances

Act licences which were being issued to pharmacists who had passed the C. and D. Qualifying examination. He was anxious that pharmacists, and particularly new pharmacists coming on the Register, should be given sufficient training in the preparation of injections of penicillin for intramuscular injections to enable them to take the T.S.A. licence. What was the use of talking of a course of two years' instruction, including tests for sterility, which were not in question at all, when it was only a matter of a T.S.A. licence covering intramuscular injections? "I would remind you," he said, "that the syllabus of the C. and D. examination, under 'Pharmaceutics' says 'The principles underlying the preparation of sterile medicaments and materials.' Mr. Maplethorpe is in the position of a man who invites a hungry friend to stay for dinner. The friend says 'I cannot stay for dinner because I have to catch a train. Can't you give me a piece of bread and butter?' but he is told 'It is a three-course dinner or nothing.'"

Of Serious Import

MR. MORETON PARRY asked whether the president realised the serious import of what was being said, and THE PRESIDENT replied that it was a matter of great interest to the public and to the Society's members. Mr. Parry went on to inquire whether it was of interest to tell the public that the examinations were not fulfilling what was in the syllabus. It was news to him, he said, that the Society's examinations did not cover the subjects contained in the syllabus.

MR. A. A. MELDRUM said he was fully aware of what was contained in the syllabus for the C. and D. examination, and would be surprised if Mr. Granville Shaw could provide information showing that the syllabus was not being followed; from his knowledge of schools, he was satisfied that it was. "We round this table," he continued, "ought not to be satisfied with that. For too long we have been giving a half-service in these subjects, and I think, if we are going to do anything, we must go the whole hog. We are not here legislating for the commercial side, so far as the T.S.A. licence is concerned. If we are to train pharmacists, we must train them fully, so that they will be able to understand and carry out the full tests and be able not merely to supply the materials but to see that they are of the required standard.

Unless they have this sterility test at their finger's ends, they are merely chancing their arm and getting away with it most of the time. In view of the educational potentialities of this Society, we ought not to limit the study of this subject."

Paragraph Referred Back

MR. MAPLETHORPE said he was sorry if the Committee had misunderstood Mr. Granville Shaw's resolution, but they had assumed that it meant what it said. If Mr. Granville Shaw were to make inquiries at the schools, he would find that students were taught sterile dispensing for the C. and D. examination. Merely to say that they should be taught how to make an intermuscular injection with penicillin was to give them a very dry crust—not even the piece of bread and butter to which Mr. Shaw had referred. The Committee had consulted teachers and had come to the conclusion that the only satisfactory way of dealing with the situation was to give a reasonable training in aseptic transference. It was not of much use to show a man how to do a job without teaching him how to prove to himself that he had done it satisfactorily. To do that, the man needed some training in bacteriology. If the Council wished, the matter could be referred back to the Committee.

The paragraph of the report was referred back to the Committee.

Provision for Polish Pharmacists

THE SECRETARY reported that, in the committee stage of the Polish Resettlement Bill, an amendment had been incorporated giving the Society power to make provision for Polish pharmacists to be examined with a view to temporary registration in Britain, under conditions similar to those which the Council made for foreign pharmacists registered during the war under Defence Regulation 32C. The Education Committee's report stated that, on being approached by the secretary at the request of the Ministry of Health, the authorities of Brighton Technical College had been good enough to provide suitable courses of six weeks' full-time instruction, the first of which began on March 3. The Committee recorded its appreciation of the ready co-operation of Dr. Watts (principal of the College) and of Mr. H. B. Mackie and his staff in the school of pharmacy. THE SECRETARY informed questioners that the facilities would be available up to the end of 1947, and that the number of candidates would not be more than sixty. The exam-

ination would be in two subjects only; otherwise they would be in accordance with the procedure of the Society's ordinary examinations; the cost of training was not borne by the Society.

MR. MORETON PARRY said there had been an understanding during the war that the registration of foreign pharmacists in this country would not be prolonged beyond the end of the war, and he thought it undesirable that further registrations should be made. MR. E. A. BROCKLEHURST protested against this view, adding that the Polish professional people were well trained, and their pharmaceutical qualification more comprehensive than that of the Society.

Part-time Instruction for Ph.C.

It was stated in the report of the Education Committee that possible courses of evening tuition to enable chemists and druggists to take the Pharmaceutical Chemist Qualifying examination had been discussed with the principal of Chelsea Polytechnic, London, and proposals would be sent to the Guild of Public Pharmacists for its observations. THE CHAIRMAN (Mr. Maplethorpe) pointed out that the Guild had made application for such facilities.

Branch Representatives Meeting

MR. F. G. WELLS (chairman, Organisations Committee) said that the Committee had asked the Education Committee whether the Branch Representatives' meeting might be asked to consider the proposals concerning education and examination policy. The agenda recommended by his Committee was that the morning session should be devoted to a consideration of reports from the Council on the Society's constitution, and on canvassing by Council candidates, and that motions from the Branches should be considered in the afternoon, subject to any business to which the Council might consider it necessary to give precedence. MR. MAPLETHORPE said that the Education Committee was of opinion that educational policy was not suitable for discussion at Branch Representatives' meetings, since decisions on that subject were the Council's responsibility.

Some discussion took place on the point, MR. PARRY urging that the constitutional question should be cleared up at once. THE TREASURER thought that, though technically it might be true that the Council alone had the duty of imposing the standard of education in pharmacy, they might be setting the standard so high that, for economic reasons, candidates would turn

to medicine and thus halve the Society's membership. At that point the membership should have a say. It was decided to await the report of the Education Committee in April, and the agenda recommended by the Organisation Committee was approved.

Canvassing by Council Candidates

On the recommendation of the Organisation Committee it was decided that candidates for election to the Council should, as in 1946, be invited to agree not to advertise, similar arrangements to those of 1946 being made for publicity for candidates' policy statements.

National Prescribers' Formulary

THE SECRETARY described the position reached in forming a committee to compile a standard prescribers' formulary. The aim, he said, was to produce a formulary of the broadest possible application, based on the formulary section of the British Pharmaceutical Codex, so that there should be no question of patients under the National Health Service getting different prescriptions from those under private practice. Names of pharmaceutical representatives proposed by the Codex Revision Committee were approved, and additional names were agreed upon to enable the Committee to complete the list.

Notice was received from the Ministry of Health that a new edition of the National (War) Formulary was to be produced immediately, for use until the introduction of the National Health Service, and inviting separate representation of the Society and Codex Revision Committee. The Council agreed that the vice-president (Mrs. J. K. Irvine) should represent the Society, and Mr. T. C. Denston the Codex Revision Committee.

Technicians in Manufacture

A suggestion was received from the Manchester and Salford Branch that "applications from men engaged in the wholesale manufacture of medicaments containing poisons to be placed on the Register, on the ground that they had been engaged in this work for three years prior to May 1936, should have some publicity." The suggestion was referred to the Law Committee.

THE SECRETARY submitted a copy from the Advertising Association forwarding the final draft of its code of standards for advertising proprietary medicines. Modifications made in the earlier draft were all of minor importance, and the Council agreed to accept them.

Examination Concessions

Seven applications for examination concessions were reported; special courses of study for the Intermediate examination were granted in two cases; two candidates were accepted as apprentices or students, and three applications were not granted. Since the previous meeting concessions to ex-Service candidates had been granted in one case for the Intermediate examination and in four cases for the Chemist and Druggist Qualifying examination. Of three special applications received, two were granted.

Owing to the dispersal of the members of the Poona Branch, it was agreed that the Branch should be regarded as having been dissolved.

Codex Revision

Upon a recommendation of the Codex Revision Committee it was decided to publish a revised formula for liquor bromidi compositus, B.P.C., omitting extract of cannabis to place the preparation outside the Dangerous Drugs requirements. The proposed new formula was:—

LIQUOR BROMIDI COMPOSITUS

	Metric	Imperial
Chloral hydrate ...	274.3 gm.	15 gr.
Potassium bromide ...	274.3 gm.	15 gr.
Liquid extract of hyoscyamus	12.5 mils	$\frac{3}{4}$ min.
Tincture of orange...	125.0 mils	$7\frac{1}{2}$ min.
Glycerin	166.7 mils	10 min.
Water to	1000.0 mils	to 60 min.

Dissolve the chloral hydrate in the tincture of orange and add the liquid extract of hyoscyamus; dissolve the potassium bromide in the glycerin diluted with sufficient of the water to produce a volume of 750 mils (45 mins.) and add it to the first solution; add sufficient water to produce the required volume, set aside for twenty-four hours, and filter.

Dose: 2 to 8 mils (30 to 120 minims).

Benevolent and War Aid Funds

MR. E. A. BROCKLEHURST, in moving the adoption of the report of the Benevolent Fund and War Aid Fund Committee, said that the total received for the War Aid Fund to February 27 was £40,499, expenditure to the same date being £14,066. Several grants had been made from the Benevolent Fund.

The reports of the Establishment, Joint School and Finance Committees were received and adopted, and the public business of the Council concluded.

PERSONALITIES

DR. CLITHEROW, M.P., M.P.S., is ill with pneumonia, and consequently will not be able to fulfil his engagements for some time.

MR. JAMES McCLENAHAN, who resigned recently from the secretaryship of the



Ulster Chemists' Association (see p. 288) to take up a post in Liverpool, began his business career in 1921 with W. J. Rankin & Son, manufacturers' agents, Belfast. Four years later he joined Fred Storey, Ltd., wholesale chemists, Belfast, as a representative, later acting in a managerial capacity. After

qualifying as a pharmaceutical chemist (Northern Ireland) in 1930, Mr. McClenahan became Northern Ireland representative of Southall Bros. & Barclay, Ltd., Birmingham, England, and in 1933 went into business on his own account in Belfast as a manufacturing chemist. In 1941 his premises were destroyed by enemy action, and shortly afterwards he took up the whole-time secretaryship to the Ulster Chemists' Association having filled it part-time since 1939. He was also secretary of the Northern Ireland Chemists' Golfing Association, and of the Northern Ireland C.F. Committee. During the war he acted as secretary for the Toc H Services club in Belfast.

MISS A. E. STRACHAN, who has been appointed secretary of the Ulster Chemists' Association (see p. 288), was previously with William Dobbin (Chemists), Ltd., North Street, Belfast, and J. & J. Haslett, Ltd., Victoria Street, Belfast, in a secretarial capacity. She joined the Association as assistant secretary a year ago, and has also acted as secretary of the Associates' Section.

SIR ROBERT ROBINSON (president of the Royal Society and Faraday lecturer of the Chemical Society) has been awarded the medal of the Franklin Institute, Philadelphia, U.S.A.

ALDERMAN C. A. CRITCHLEY, PH.C., J.P., 10 King William Street, Blackburn, has been re-elected president of the Blackburn Guardian Society for the Protection of Trade.

MR. GEOFFREY A. N. HIRST (managing director of Hirst, Brooke & Hirst, Ltd. Sheepscar Works, Leeds, 7) has been adopted as prospective Conservative candidate for the Shipley, Yorkshire, Parliamentary Division.

MR. JOHN CHESHIRE, M.P.S., 63 Wharf Road, Cheshire, was the author of a letter published in "The Times," on March 12 suggesting that leaving dangerous drugs in an unlocked car, except in a special built-in locked container, should be made an offence.

MR. J. G. CROWTHER has been appointed secretary-general designate of the recently-formed World Federation of Scientific Workers. Mr. Crowther, who has been scientific correspondent to the "Manchester Guardian" for the past twenty years, was director of the science department of the British Council during the 1939-45 war.

ALDERMAN W. J. BROWN, M.P.S., and MRS. BROWN (mayor and mayoress of Ludlow) were presented recently with a silver fruit dish by the congregation of St. Leonard's Church, Ludlow, in appreciation of their twenty-six years' service to the church as choirmaster and organist, offices which they gave up in November 1946.

PENICILLIN BILL

THE text of a Penicillin Bill shortly to be introduced into the House of Commons is now available from H.M. Stationery Office, price one penny. The Bill provides that no substance to which the Bill applies, nor any preparation of which such a substance is an ingredient, shall be sold or supplied by any person other than a medical practitioner, dental practitioner, veterinary surgeon (or person acting in accordance with the directions of any such practitioner), or registered pharmacist supplying under the authority of a prescription. Exception is made for sales by wholesale, for export, or to a practitioner or recognised authority. A prescription for a penicillin preparation will not be permitted to be dispensed on more than one occasion or more than three months after the date on which it has been signed. The Bill applies to penicillin "and such other antimicrobial organic substances produced by living organisms as may be prescribed by regulations." The penalties for contravention will be a fine not exceeding £100 or, in the case of a second or subsequent conviction, a fine or imprisonment (not exceeding three months) or both.

GUIDE TO NEW MEDICAMENTS

Information—in a form convenient for mounting on record cards for permanent card-index systems—about new proprietary medicaments supplied principally on a prescription. Their mention in these columns does not imply Editorial recommendation. A limited number of reprints will be made available to subscribers on application.

MICRYSTON OESTRONE

MANUFACTURER: Laboratories for Applied Biology, Ltd., 22 Beaumont Street, London, W.1. (Distributors, Coates & Cooper, Ltd., Northwood, Middlesex.)

DESCRIPTION AND FORMULA: Standardised microcrystalline suspensions of the natural oestrogenic hormone, and the androgenic hormone methyl testosterone, in an isotonic aqueous solution, containing 10,000 international units (oestrone) per mgm. in each mil.

INDICATIONS: 1. Oestrogenic deficiency, genital hypoplasia climacteric symptoms, cyclical headaches, etc.

2. Genital infantilism, loss of libido, premature ageing, sterility, etc.

DOSAGE: Generally treatment should begin by intra-muscular injections of 1.5 mls every seven days. This dosage may be increased or decreased according to the patient's condition.

How SUPPLIED: Rubber capped vials containing 8 mls.

NOTES: On injection into the muscle the aqueous vehicle is absorbed rapidly, leaving a deposit of crystals to be absorbed gradually, which provides a flow of hormone lasting up to fourteen days.

CASYDROL (ORAL)

MANUFACTURERS: Genatosan, Ltd., Loughborough, in association with Bengers, Ltd., Holmes Chapel, Cheshire.

DESCRIPTION: An enzymic hydrolysate of fat-free whole milk containing equal parts of amino-acids, polypeptides and milk sugar.

INDICATIONS: Protein depletion; conditions where the patient is unable to digest food protein; feeding premature babies and infants allergic to food protein. Preoperatively to provide a satisfactory protein nutritional level in the patient; and postoperatively to shorten the convalescence.

DOSAGE: As the sole source of food nitrogen the average adult dose is 120 gm. per day.

How SUPPLIED: A pale buff spray dried powder. Tins of 350 gm.

NOTES: The makers state that the preparation possesses no unpleasant taste or odour.

TUBARINE

MANUFACTURER: Burroughs Wellcome & Co., 12 Red Lion Square, London, W.C.1.

DESCRIPTION AND FORMULA: An injection-solution of *d*-tubocurarine chloride (10 mgm. per mil) in a "stabilising" solute of undisclosed composition.

INDICATIONS: Promotion of adequate muscular relaxation under general anaesthesia in surgical operations; prevention of fractures in patients undergoing electrical convulsion therapy; control of tetanic convulsions; and as a diagnostic agent for myasthenia gravis.

DOSAGE: In anaesthesia using nitrous oxide, 2.5 mgm. per stone of body weight intravenously; using ether, one third to one half of this amount; using maximal doses of intravenous barbiturates, not more than a total of 15 to 20 mgm. *d*-tubocurarine. In convulsion therapy: 1.5 to 1.75 mgm. per stone of body weight intravenously. Myasthenia gravis diagnostic test: 0.1 to 0.2 mgm per stone of body weight intravenously (followed by an antidote in positive cases).

NOTES: The solution should not be mixed with soluble barbiturates in the same syringe, as precipitation occurs. The *d*-tubocurarine chloride is assayed chemically, and, in addition, is tested biologically.

ULSTER CHEMISTS' ASSOCIATION

At the February meeting of the Executive Committee of the Ulster Chemists' Association, held recently in Belfast, Mr. R. Gibson (president) in the chair, Mr. Jack Caldwell, Ph.C., Belfast, was welcomed as a newly co-opted member of the Committee.

THE SECRETARY reported that the Ministry of Health could offer no prospect of an increased allocation of olive oil for Northern Ireland, which was already getting a fair share of olive and groundnut oil. Arrangements for distributing groundnut oil had been considerably simplified in co-operation with the Ministry of Agriculture.

A letter received from a perfume manufacturer stated that no change could be made in the company's recent decision to limit the sales of its products to selected retailers. It was agreed that the manufacturer's products should not be included in the forthcoming U.C.A. price list, the first part of which, the secretary reported, was being printed. The committee received a report of the umpire's decision concerning the payment of unemployment benefit to full-time pharmacy students whose course of study had been approved. Benefit payments, it was understood, would be retrospective to the beginning of full-time study.

A letter from the Ministry of Labour inquired when the new late duty rota scheme would be operated by Belfast Chemists. The Secretary had pointed out in his reply that an early closing order could not be made until certain regulations had become law, and he referred the Ministry of Labour to the Ministry of Home Affairs for information about regulations under the Shops Act, 1946. The secretary was instructed to remind the Ministry of Labour that a request for extra late fees on urgent medicines had not yet been dealt with.

Mr. A. E. Dickson, Londonderry, wrote accepting nomination to the Medical Benefit Council. Messrs. Dickson, A. T. Hardy and P. R. W. Shinner, Belfast, were accordingly nominated. Appreciation was expressed for the services of Messrs. J. C. Culbert and W. J. Hardy who had resigned from the Council.

THE SECRETARY presented a draft list of capsules, tablets and ampoules which were schedule IV poisons. It was decided that a sub-committee should examine the list and prepare it for printing. A letter from the agents acting for the landlord of the Association's offices advised of an increase in the annual rent. It was decided that the

president and secretary should interview the agents. A C.F. manufacturer wrote expressing willingness to adjust the chemists' discount on his products to 33½ per cent., but pointing out that until consent of the Central Price Regulation Committee was obtained, the adjustment could not be made.

The Ministry of Health, in another letter, set out, in part, the basis of pricing penicillin prescriptions. No information could be given by the Ministry concerning the price of certain prescriptions dispensed by members, since the prescriptions involved had been redistributed according to the names of the doctors who wrote them. The secretary was directed to send a reply reiterating the necessity for supplying duplicate prescriptions to chemists.

A letter was received from the Associates' Section advising that a general meeting of associates would be held during February to consider a revised scale of wages, etc., and asking that a meeting of the Joint Council should be convened to consider the scale. It was agreed that the scale should be considered at the March meeting of the committee, and that a meeting of the Joint Council should be held afterwards.

The following were elected to membership: A. F. Wilson, Ph.C., 29 Station Road, Carnalea, co. Down (new business); D. McMullen, Strangford, co. Down (new business); and Cregagh Pharmacy, Ltd. (successors to Cregagh Pharmacy), 343 Woodstock Road, Belfast. The election of the following associates was confirmed: Messrs J. J. McCaughy and Samuel Stevenson (pharmaceutical chemists); James Neill and Norman Robinson (assistants); J. N. Deehan, D. J. Fox, W. J. Gracey and P. MacRory (apprentices).

THE SECRETARY reported that a subcommittee of the Belfast Chamber of Trade had suggested amendments in the Shops Act designed to enable shops to employ staffs on the half-holidays before Christmas, Easter and July 12, and making provisions for half-holidays in lieu.

The resignation of the secretary, Mr. James McClenahan (see p. 206), was accepted with regret. Mr. R. GIBSON (president) paid a tribute to the work for pharmacy which Mr. McClenahan had done, and wished him success in his new work.

At the March meeting of the Executive Committee, Miss A. E. Strachan (assistant secretary) was appointed *Secretary* in succession to Mr. J. McClenahan.

It was reported that new salary scales put forward by the Associates' Section had been discussed at an informal meeting of the Joint Council. The discussion was to be continued later. The Committee expressed sympathy with the relatives of the late Mr. R. S. Anderson, a former member of the Association. THE SECRETARY read a further letter from the Ministry of Health and Local Government inviting the Association to discuss late fees for National Health Insurance prescriptions. It was agreed that the work of preparing the proprietaries section of the Associations' price list should be shared by members of the Committee. A draft notice to be included in the next advice to members asking for the co-operation of Northern Ireland wholesalers in discouraging the opening of un-

registered drug stores in Northern Ireland was approved.

An invitation from the Council of the Pharmaceutical Society of Northern Ireland to members of the Committee to meet the president, vice-president and secretary of the Pharmaceutical Society of Great Britain for an informal discussion during their visit to Belfast was accepted.

The following were elected to membership: Mr. F. M. Kerrin, Ph.C., Enniskillen, Messrs. William Dick, Ph.C., John McKibben, S. E. A. Wisener, Belfast, and Miss A. K. McCune, Belfast. The following, who had been approved by the Associates' Committee, were formally elected as associates: William T. Hughes and F. J. McClintock (pharmaceutical chemists), James Martin (assistant).

COMING EVENTS

Notices for inclusion under this heading should be sent in time to reach the Editor not later than Wednesday morning of the week of insertion.

Tuesday, March 18

BRIGHTON AND HOVE ASSOCIATION OF PHARMACY, Union Church Institute Hall, Queen Square, Brighton, at 8 p.m. Mr. F. W. Adams, B.Sc., Ph.C. (deputy secretary, Pharmaceutical Society) on "Consideration Affecting Educational Policy."

GLASGOW PHARMACY CLUB, Highlanders' Institute, Elmbank Street, Glasgow, at 7.15 p.m. Whist drive.

INSTITUTE OF REFRIGERATION, Institute of Mechanical Engineers, Storey's Gate, St. James's Park, London, S.W.1, at 5.30 p.m. Dr. R. I. N. Greaves on "Freeze-drying," and Mr. J. H. Singer, F.R.I.C. (Glaxo Laboratories, Ltd.), on "The Application of Freeze-drying to Penicillin Production."

ROYAL INSTITUTE OF CHEMISTRY, The Cherry Tree, Welwyn Garden City, Herts, at 8 p.m. Dr. A. M. Ward, F.R.I.C., on "The Training and Qualification of Chemists."

NOTTINGHAM SECTION, CHEMICAL SOCIETY, Large Chemistry Theatre, University College, Nottingham, at 7 p.m. Dr. A. E. Alexander, B.Sc., on "The Application of Surface Chemistry to Colloidal Problems."

Wednesday, March 19

NORTH BRITISH BRANCH, PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 36 York Place, Edinburgh, 1, at 7.30 p.m. Miss Janet S. McEwan, B.Sc., Ph.C., and George H. Macmorran, Ph.C., on "The Compatibility of some Bactericides with Substances Commonly Used in Parenteral Injections"; Mr. John B. Grosset, M.P.S., on "Observations on Penicillin Parenteral Solutions"; and Mr. F. J. Jackson, B.Sc., Ph.C., on "Notes on Small-scale Sterilisation."

NORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Hanley, at 7.30 p.m. Central Office of Information Film Show.

ROYAL INSTITUTE OF CHEMISTRY, Royal Institution, Albemarle Street, London, W.1, at 2.30 p.m. Professor E. K. Rideal, F.R.S., on "Monomolecular Layers."

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Dr. F. O. Rawlings, D.Sc. (Ilford, Ltd.), on "The Behaviour of some Photographic Materials."

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Brincliffe Oaks Hotel, Nether Edge Road, Sheffield, at 7.45 p.m. Dance. Tickets (4s. single, 7s. 6d. double) may be obtained from Mr. S. Durham, 29 Stephen Hill Road, Sheffield, 10.

LEICESTER BRANCH, NATIONAL PHARMACEUTICAL UNION, Royal Hotel, Leicester, at 7.30 p.m. Mr. H. Steinman, M.P.S. (chairman, N.P.U. Executive), on "Retail Pharmacy—The National Health Service and You."

Thursday, March 20

THAMES VALLEY BRANCH, PHARMACEUTICAL SOCIETY, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Dr. E. Walton on "Morphine Substitutes."

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, Guildhall, Small Street, Bristol, at 7 p.m. Annual meeting.

ABERDEEN SECTION, CHEMICAL SOCIETY, Chemistry Department, Marischal College, Aberdeen, at 7.30 p.m. Professor E. L. Hirst, F.R.S., on "Recent Developments in the Chemistry of Starch and Glycogen."

DUNDEE AND EAST AND CENTRAL SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Royal Hotel, Union Street, Dundee, at 7.30 p.m. Dr. P. Cook, B.Sc., M.B., on "Antibiotics."

CHELSEA POLYTECHNIC, UNION SOCIETY, Manresa Road, London, S.W.3, at 5.30 p.m. Mr. A. L. Bacharach, M.A., F.R.I.C. (Glaxo Laboratories, Ltd.), on "Penicillin."

SOMERSET BRANCHES, PHARMACEUTICAL SOCIETY and NATIONAL PHARMACEUTICAL UNION, Castle Hotel, Taunton, at 5.30 p.m. Annual meetings. Address by Mr. H. Noble, B.Pharm., Ph.C. (deputy secretary, N.P.U.).

Friday, March 21

LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Dr. E. S. Paice (Technical Products, Ltd.) on "Surface Wetting Agents."

BIRMINGHAM PHARMACEUTICAL ASSOCIATION are holding a dance at the Botanical Gardens, Edgbaston, Birmingham, on Wednesday, March 26. Tickets 7s. 6d. each.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Transport of Drugs

SIR,—I am directed by the Minister of Transport to refer to the copy of an editorial from *THE CHEMIST AND DRUGGIST*, dated February 1, which you forwarded to him on January 31. The Minister has recently considered the representations made by a deputation from the Wholesale Drug Trade Association in support of their request for the exemption of pharmaceutical supplies from the provisions of Clause 56 of the Transport Bill. After most careful consideration the Minister is not convinced of the necessity of granting this request, in view of the provision which has been made in Clauses 56 to 58 for the granting of permits to operate outside the forty-mile radius imposed by Clause 56.

Yours faithfully,

[An Official of the Ministry of
London, W.1. Transport.]

Remuneration for Dispensing

SIR,—Despite a recent increase in dispensing fees for N.H.I. dispensing we do not believe that remuneration is sufficient. The weakness of the present system of paying fees, which is based on the Drug Tariff, is that no consideration is taken of the extra cost involved in dispensing prescriptions of an unusual nature. That a pharmacist should be paid for dispensing 4 oz. of ung. zinci ox. the same fee as he receives for dispensing the following prescription is ridiculous:—

Resorcinol	10 per cent.
Camphor	10 per cent.
Sapo mollis	10 per cent.
Sulphur precip.	30 per cent.
Chalk	5 per cent.
Wool fat	15 per cent.
Paraff. molle flav.	20 per cent.
Ft. ung. 3 iv required.	

We submit that few pharmacists would be able to do this in less than fifteen minutes. If a forty-four-hour week is to be worked, as our good trade union friends suggest, then much is left for the proprietor to do by way of subsidising the N.H.I. service, as it is at the moment. Fortunately, enlightenment would appear to have come upon the Minister of Health—despite a Shinwellian black-out—and the 30 per cent. on-cost award recently made to pharmacists by Mr. Bevan has placed him in good esteem by many a Tory pharmacist. Face-tiousness aside, it can truthfully be said that

pharmacists are now working with a new heart and desire to serve the community. This is to the good of the profession and the community. Probably no other action he could have taken would have had such welcome response from the profession. However, may we recommend to our negotiators for the new N.H.S. that arrangements should be made varying the dispensing fee according to the prescription, taking into consideration both time and apparatus used. Such action would eliminate the anomaly that we quote above. Finally, when the N.H.S. is operating there will, theoretically, be no private dispensing. Hence the professional facilities of every contracting pharmacy will be placed at the exclusive use of the Minister of Health. It is thus not unreasonable for pharmacists to ask for an annual "establishment cost" from the Ministry. Payment of such a cost is reasonable. It would eliminate one of the outstanding points that could result in a bad contract. We have suffered once. Let us devote our energies to ensure we do not suffer again.

Yours faithfully,

FRANK C. WHITE.
Ripley, Surrey. J. P. ELLAND.

Shorter Hours

SIR,—May I remind my old friend, Mr. H. Lattimer (see *C. & D.*, January 25 p. 125) that many men can do more work in five days than if the same hours were spread over five and a half days. To have Saturday off is a real break—it makes a long week-end. I know what I am saying. During the last few years of the war I had Saturday off; it saved travelling (and many men spend an hour or more to and from business). It was the Saturday holiday that helped me to carry on till I retired last year. During the war years I was almost the only one in a staff of 500 who did not have his full holidays. I took mine at week-ends, or a day or two at a time. A forewoman in my firm, who also retired last year after fifty-six years' service, told me years ago she could never have stayed if she had not had the Saturday off. She was not supposed to get to business till 9 a.m., but, knowing that not much work would be done before she got there, she went in at 8 a.m. five days a week.

Yours faithfully,

S. E. A.

OVERSEAS TRADE NEWS

Exports of Medicinal Mud.—Fifty cwt. of medicinal mud from the Slovak spa of Piestany has been ordered by the United States.

New Canadian Sulphuric Acid Plant.—A new "million-dollar" sulphuric acid producing plant is to be built in Hamilton, Ontario, by the Canadian Industries, Ltd.

Czechoslovakia to Produce Penicillin.—Preparations are being made for the production of penicillin in Czechoslovakia, according to Dr. Prochazka, the Minister of Health.

Penicillin Free in New Zealand.—Penicillin is to be supplied free to all patients, under the New Zealand Social Security Act, according to a recent announcement of the New Zealand Ministry of Health.

British Vitamins for Germany.—The Control Commission for the British Zone of Germany announced recently that 500,000 million international units of vitamin A had been imported from Britain for use in the margarine ration.

Danish Insulin for Germany.—About 5,000,000 units of insulin has arrived in Bremen from Denmark. The insulin which has been bought through the Cralog Organisation is to be distributed to health officers of the U.S. authorities.

America Buys German Products.—The United States is purchasing pharmaceutical products to the value of \$800,000 from the German firm, Merck, of Darmstadt. The order has been placed through the economic department of the military government.

New Chemical Factories in Saxony.—Factories for the commercial production of sulphuric acid and arsenic have been established at Freiburg, Saxony, which is in the Soviet Zone near where galena, zinc sulphide ore and pyrites are being extracted from two newly-developed mines.

Canadian Medicinal Clay.—Vancouver Medical Association reports in its official bulletin that clay taken from a huge deposit "somewhere between Vancouver and Prince Rupert" has a wide range of curative powers and that clay promises to become "a valuable addition to our pharmacopœia."

United Nations and Fish Oils.—A secret process for removing from fish oils their fishy flavour, to render them suitable for

inclusion in food products, may be brought up for discussion by the United Nations Organisation. The Norwegian fish industry has the secret but Canadian interests claim that it was really a German discovery and should therefore be shared among the Allies.

USE OF BAL

2,3-DIMERCAPTOPROPANOL (British antilewisite, or BAL) was first used by Peters and others in Britain to act as a detoxifying agent against warfare arsenicals by competing for arsenic with the dithiol-containing proteins of the tissues. In the "Journal of the American Medical Association" (February 1, p. 293), Sulzberger and Baer state that the agent could prevent, and, if treatment were applied soon enough, reverse, the toxic action of arsenicals. In the systemic arsenical poisoning of laboratory animals, treatment with BAL caused "a significant reduction in the mortality rate," the parenteral route of administration being more effective than application to the skin. In Britain, dermatitis produced by antisyphilitic arsenical drugs had been treated with BAL, inunctions and intramuscular injections being used, and that treatment has been repeated in the U.S.A., using intramuscular injections of a 5 per cent. BAL solution in peanut oil, with benzyl benzoate, 10 per cent.; or a 10 per cent. solution in peanut oil, with benzyl benzoate, 20 per cent. The average time for a "definite improvement" in exfoliating conditions was three days, and for "almost complete recovery," thirteen days. A number of patients who did not respond to even a 20 per cent. solution of BAL developed abscesses or cellulitis at the site of injection. Favourable results are reported on the BAL treatment of toxic encephalitis, agranulocytosis, and jaundice, due to arsenical poisoning, of overdosage of oxophenarsine hydrochloride, and "arsenical fever." In three cases of aplastic anæmia no beneficial effect was noticed. Dosage suggested for "severe complications" is 3 mgm. per kilo (as a 10 per cent. solution), six injections being given daily and the number gradually reduced. The incidence of side effects (such as nausea, headache, burning sensations) increases rapidly when the dose is raised to 4 and 5 mgm. per kilo.



2,3-dimercaptopropanol

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, March 12

THE markets for PHARMACEUTICAL CHEMICALS continue firm and a number of products have been advanced in price. Quotations for BARBITONE and the soluble derivative are higher. BROMIDES are selling at increased rates from March 10; the POTASSIUM and AMMONIUM salts are higher by 2d. per lb. and the SODIUM by 3d. per lb. CHLORFORM was also advanced on the same day. Higher rates obtain for CHLORAL HYDRATE, with effect from March 3. Increases have also been made in PHOSPHORIC ACID and the HYPHOSPHITES. In some quarters CAFFEINE and THEOBROMINE are selling at higher prices. Demand is very strong both from home and overseas buyers. GUAIACOLS are in fair supply but BENZOIC ACID is still very short. Supplies of VANILLIN have not improved and stocks are being allocated on a quota basis.

Crude Drugs

There has been a slackening off in the demand for seasonal drugs during the past week. Prices generally have been fairly stable. PERU BALSAM is 3d. per lb. lower and CASCARILLA has declined by the same amount. EUPHORBUM is quoted higher. CURAÇAO ALOES is easier for forward supplies. Quotations for COLOCYNTH are lower. SENEGA is 1s. per lb. less than last week. COCHIN NUX VOMICA is somewhat scarce on the spot and stocks of KAMALA have been exhausted. A good inquiry is reported for BELLADONNA; Czechoslovak root, now landing, is quoted at 7s. per lb. Belladonna leaves, on the continent, have a value of 5s. 6d. per lb., c.i.f. A fair business has been done in MENTHOL and prices have risen as a result of the recent announcement of the Bank of Brazil. The withholding of the purchase of sterling makes it impossible to buy CARNAUBA WAX from origin. Resellers are quoting fatty grey, afloat, at 880s., c.i.f.; the spot value is at 960s. per cwt. Dar-es-Salaam BEESWAX is scarce; shipment prices for this material and for Lindi are steady. Quotations for MONTAN WAX are lower.

Essential and Expressed Oils

Business in ESSENTIAL OILS has been on a fairly good scale and the easier tone is sustained. English-distilled oils are in good demand but supplies are, in some instances, very low. CITRONELLA shows an easier market. LAVENDER, LEMONGRASS, ORIGANUM and THYME are all quoted at lower values for spot material. GINGER, however, is stronger; quotations vary according to quality. Sweet ALMOND OIL is in fair supply and shows a keen demand. Quotations are firmly held at 8s. to 9s. per lb.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	Mar. 12
*Alexandria ...	Piastres to £	97½-97½
Amsterdam ...	Florins to £	10.68-10.70
*Bombay ...	Pence to rupees	1-5 11/16-1-6 1/16
Brussels ...	Francs to £	176½-176½
Copenhagen ...	Kroner to £	19.32-19.36
Dutch East Indies	Florins to £	10.68-10.70
Dutch West Indies	Florins to £	7.58-7.62
*Hong Kong ...	Pence to \$	1-2 11/16-1-3 1/16
Oslo ...	Kroner to £	19.98-20.02
Paris ...	Francs to £	479.7-480.3
Lisbon ...	Escudos to £	99.80-100.20
Montreal ...	Dollars to £	4.02½-4.03½
New York ...	Dollars to £	4.02½-4.03½
Rio de Janeiro ...	Cruz to £	
*Singapore ...	Pence to \$	2-4 1/8-2-4 1/8
Stockholm ...	Kroner to £	14.47-14.50
Zurich ...	Francs to £	17.34-17.36

* Free market rates.

U.S. Drug and Chemical Report

New York, March 7

THE arrival of 2,900 flasks of Japanese MERCURY featured the markets this week. Consigned to the U.S. Commercial Corporation, the metal is valued at more than 200,000 dollars. It is believed in some quarters of the market that the mercury will be sold through the normal channels but present demand on the market is reported as very quiet. However, very little metal is offered on spot and the quotation was increased by one dollar early in the week. The price of BISMUTH metal was increased by 20 cents, reflecting the tight supply position.

A year-end carry-over of below-normal inventories, in addition to the continued detention of contaminated materials, will curtail any increase in stocks of BOTANICAL DRUGS during the remainder of the crop year, according to the Department of Commerce. Large quantities of imported CRUDE DRUGS continue to arrive in poor condition and are detained at the port of entry—it was estimated that in six months of last year, more than 2,000,000 lb. were detained at the port of New York due to filthy condition or worm infestation. Export trade in botanical drugs, especially with Mexico and other silver currency countries, has fallen off considerably because of currency depreciation. The domestic market remains inactive with consumers showing little inclination to purchase beyond their immediate requirements. The recent decline in CARNAUBA WAX prices was halted during the week and trade circles here attribute this to attempts by Brazilian exporters to stimulate demand by rejecting some small bids and slightly

advancing shipping prices. Featuring the crude drug import picture was the arrival of more than 5,000 bales of LIQUORICE root from Russia. It is virtually impossible to obtain supplies of ARNICA FLOWERS and the market remains purely nominal.

Substantial quantities of ESSENTIAL OILS were again received at U.S. ports last week and price declines were noted. Italian BERGAMOT and Ceylon CITRONELLA OILS were again the only firm items on the market.

Pharmaceutical Chemicals

ASPIRIN.—Makers' prices per lb., in the home market, are as follows: 28 lb. and under 1 cwt., 4s. 4½d. (1-lb.), 4s. 3½d. (2-lb.), 4s. 3d. (4-lb.) 4s. 2d. (7-lb.), 4s. 1½d. (14-lb.), 4s. 0½d. (28-lb.). Net one month.

ATROPINE.—Home trade prices per oz. are as follows: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BARBITONE.—In 7-lb. lots, quoted at 45s. 6d. per lb. SOLUBLE is available at the same price.

BENZALDEHYDE.—B.P.C. quality in fair supply, is quoted at 4s. 9d. to 5s. 6d. per lb., according to quantity.

BENZOIC ACID.—In poor supply. Current price is 2s. 9d. per lb., for small quantities.

BENZYL BENZOATE.—B.P. material is quoted at 4s. 6d. to 5s. per lb., according to pack; perfumers' quality, 5s. to 5s. 6d.

BISMUTH.—Makers' quotation for 1-cwt. lots is 14s. per lb. CITRATE, 1s. 2d., SALICYLATE, 1s. 4d. and SUBNITRATE, 2s. 7d. per lb. less than above price; SUBGALLATE is 2s. more.

BROMIDES.—Prices have been increased with effect from March 10. New rates are as follows: POTASSIUM.—1 cwt., 2s. 6d. per lb.; 28 lb., 3s. 0½d.; 14 lb., 3s. 2½d. Powder is 2d. per lb. more. SODIUM is ½d. per lb. less than above rates and AMMONIUM 1½d. per lb. more.

CARBOMAL.—Importers' prices are from 32s. 6d. to 35s. per lb., as to quantity.

CHLORAL HYDRATE.—New rates are as follows: 28 lb., 4s. 8d. per lb.; 14 lb., 5s.; 7 lb., 5s. 3d.; less than 7 lb., 5s. 9d. per lb.

CHLOROCRESOL.—Makers' quotations are: 1 cwt., 4s. per lb.; 56 lb., 4s. 3d.; 28 lb., 4s. 6d. per lb.

CHLOROFORM.—Increased rates are as follows: 1-cwt. lots, in Winchester quarts, 2s. 11d. per lb.; 56-lb., 2s. 11½d.

CINCHOPHEN.—Quotations are from 37s. 6d. to 40s. per lb., according to quantity.

GUAIACOLS.—In fair supply. Liquid is quoted at 16s. per lb.; crystal and carbonate, 15s. per lb.

HEXAMINE.—B.P. is quoted at from 1s. 5d. to 1s. 7½d. per lb., as to quantity.

HYDROQUINONE.—In bulk, 1-cwt., 8s. 4½d. per lb., 56-lb., 8s. 7d. Small quantities in 1-lb. containers (free), 10s. 6d. per lb.

ICHTHAMMOL.—B.P. material is quoted in bulk at 4s. per lb. 28-lb. tins, 4s. 9d.; 14-lb., 5s.; 1-lb., 5s. 10½d. per lb.

IODINE PREPARATIONS.—Current rates per lb., in the home trade, are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s. 6d.; 28 lb., 10s.; 14 lb., 10s. 6½d.; 7 lb., 12s. 0½d.; 4 lb., 12s. 6½d.; smaller quantities, 13s. per lb. SODIUM IODIDE, B.P.—28 lb., 10s. 5d.; 14 lb., 10s. 11½d.; 7 lb., 12s. 8½d.; 4 lb., 13s. 4½d.; smaller quantities, 14s. 2d. IODOFORM, B.P.—28 lb., 13s. 7d.; 14 lb., 14s. 1½d.; 7 lb., 16s. 3½d.; 4 lb., 17s. 1½d.; smaller quantities, 17s. 11d. IODOFORM CRYSTALS, 2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 11d.; 28 lb., 11s. 5d.; 14 lb., 11s. 11½d.; 7 lb., 13s. 9½d.; 4 lb., 14s. 4½d.; smaller quantities, 15s. 10d.

METHYL SALICYLATE.—Current rates are as follows: Winchesters, 2s. 2½d. per lb.; 56 lb., in demijohns, 2s. 1d.; 1 cwt. in demijohns or carboys, 2s. 0½d.; 5 cwt., 2s. All prices net.

MORPHINE.—Prices per oz. current in the home market are: ALKALOID, ½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE, ½ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s. 9d.; 3 oz., 42s.; 4 oz., 41s. 9d.; BIMECONATE and TARTRATE, as ALKALOID; ACETATE, HYDROBROMIDE and SULPHATE, as HYDROCHLORIDE.

PHENOBARBITONE.—Quotations for the acid and the SOLUBLE salt are from 35s. to 39s. per lb., as to quantity.

POTASSIUM PERMANGANATE.—Prices are unchanged and are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums) 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms, net, carriage paid to nearest station, containers extra and returnable.

POTASSIUM SULPHOGUAIACOLATE.—Importers' quotations are from 12s. to 14s. 6d. per lb., according to quantity.

PROCAINE HYDROCHLORIDE.—Current quotations are from 42s. 6d. to 45s. per lb., according to quantity.

PYROGALLOL.—Current rates are as follows: 1-cwt., 21s.; 56-lb., 21s. 6d.; 28-lb., 22s. 6d. per lb. Prices are net.

SULPHANILAMIDE.—In good demand; supplies are fair and quotations are steady at 7s. to 7s. 6d. per lb., according to pack.

TANNIC ACID.—Makers' quotations for B.P. quality is 10s. to 11s. per lb., as to quantity.

Crude Drugs

ALOES.—Curacao is steady at 250s. per cwt., spot; forward, from 230s. to 240s., c.i.f. Socotrine is at 185s., spot. Cape is available at 200s. per cwt.

ANISE (STAR).—Spot, 190s. to 210s. per cwt.; shipment, 120s., c.i.f.

ARECA NUTS.—Ceylon is steady at 65s. to 67s. 6d. per cwt., according to holder; shipment, 62s. 6d. per cwt., c.i.f.

BALSAMS.—Canada is steady at 14s. 9d. to 15s. per lb. Peru is easier at 8s. to 8s. 3d. per lb., duty paid. Tolu is available at 19s. 6d. per lb.; spot; shipment, 18s. 6d., c.i.f.

BENZOIN.—Quotations for Sumatra are at £23 10s. to £27 per cwt., spot, for fair to good alomdy material; afloat, £22 10s.; forward shipment, £15 to £17. A lower grade is offered at £22 per cwt., spot.

BUCHU.—Short-rounds are quoted at 4s. 2d. to 4s. 3d. per lb., spot; forward, 4s., c.i.f.

CALABAR BEANS.—Quotations are at 1s. 6d. to 1s. 7½d. per lb., ex warehouse Liverpool.

CALUMBA.—Spot quotations for washed root are from 80s. to 85s. per cwt. Natural root is offered at 55s. to 60s. per cwt.

CAMPHOR.—Chinese tablets (¼-oz.) are quoted at 11s. to 11s. 6d. per lb., spot; refined powder (B.P.), 10s. 6d. 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

CANTHARIDES.—A good inquiry for small lots. Chinese, 15s. to 17s. per lb., landed.

CAPSCUMS.—East African is steady at 120s. to 140s. per cwt., according to quality.

CARDAMOMS.—Mangalore, half-bleached, A's are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb., spot. Aleppy seeds, No. 1, are at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

CASCARA SAGRADA.—Firm. Quotations are at 275s. to 290s. per cwt., duty paid, according to holder.

CASCARILLA.—Quills are quoted at 2s. per lb.; siftings 1s. 6d. to 1s. 9d., spot.

CASSIA PODS (C. fistula).—East Indian is steady at 90s. per cwt., ex wharf.

CHAULMOOGRA.—Quiet. *Hydnocarpus* is available at 2s. per lb., in tins in cases.

CHILLIES.—Mombasa, quoted at 165s. to 170s. per cwt., spot; Nigerian, 130s. to 135s.; Japanese-type, 190s. to 200s.

CINNAMON.—Quillings are quoted at 3s. to 3s. 3d. per lb., spot; featherings, 2s. to 2s. 1d.; chips, sifted and washed, 1s. 7d. to 1s. 8d.

CLOVES.—Zanzibar are quoted at 10½d. to 11d. per lb., spot. Penang are offered at 3s. to 3s. 6d. per lb.

COCHINEAL.—Silver-greys, for the home trade, 4s. 6d. per lb., on the spot; blacks, very scarce, 5s. 9d. per lb.

COLOCYNTH.—Quiet. Fine-white is lower at 2s. 3d. per lb., spot; medium-white, 2s. 1½d. per lb.

DIGITALIS.—Portuguese is steady at 130s. per cwt., spot. English-grown, 2s. 6d. per lb.

ERGOT.—Firm. Quoted at 4s. 9d. to 5s. per lb., spot; to arrive, 4s. 9d., c.i.f.

EUPHORBUM.—Quoted dearer at 80s. per cwt., on the spot.

GALANGAL.—Forward, 75s. per cwt., c.i.f. GENTIAN. —Root of French origin is offered at 105s. per cwt., spot. Cut is available at 130s.

GINGER.—Jamaica No. 1 is quoted at 125s. per cwt.; No. 2, 112s. 6d.; No. 3, 102s. 6d. to 107s. 6d., spot. African is available at 75s. to 80s., spot.

GUM ACACIA.—Kordofan cleaned sorts is quoted at 76s., spot; shipment, 71s. per cwt., c.i.f. Bleached No. 1, 145s., ex store. Talha, cleaned, is easier at 45s., spot; forward, 42s. 6d., c.i.f.

GUM MASTIC.—Quoted at 18s. per lb., duty paid, for No. 1, material.

HENBANE.—Indian leaf, steady at 250s. per cwt., spot.

HENNA.—Indian leaves, to arrive, quoted at 1s. 5d. per lb., landed.

HYDRASTIS.—Spot, 60s. per lb., forward, 57s., c.i.f.

IPBCACUANHA.—Firm. Nicaraguan root is quoted at 29s. to 29s. 6d. per lb.; no shipment offers are reported.

ISINGLASS.—Fine-cut Brazilian is quoted 9s. 3d. per lb., buyers' licence.

JUNIPER.—Firm. Italian berries are quoted from 56s. to 65s. per cwt., according to quality.

KAMALA.—Stocks exhausted. Nominal, 3s. per lb., spot.

KARAYA.—No. 1 gum is quoted at 215s. to 220s. per cwt., spot; No. 2, 170s.

LIQUORICE ROOT.—Anatolian whole root is steady at 60s. per cwt., on the spot. Turkish juice (block) is quoted at 250s. to 260s., spot; forward, 190s., c.i.f.

LOBELIA.—Spot, 6s. 6d. per lb., nominal.

MENTHOL.—Brazil is firmer at 45s. to 46s. per lb., duty paid, spot; forward, 39s., c.i.f. Chinese is available at 47s. 6d., spot; shipment quotation, 45s. to 47s., c.i.f.

MERCURY.—Spot quotations are at £20 15s. to £21 per flask, ex warehouse; for shipment, £20 6s., c.i.f.

MYRRH.—Aden sorts are quoted at £14 to £17 per cwt., according to quality; siftings, £8 to £10 per cwt.

NUTMEGS.—West Indian 80's are quoted at 4s. 10d. to 5s. per lb., spot; sound unassorted 3s. 10d.; wormy and broken, 3s. 8d. to 3s. 9d.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt.; Mangalore, 40s.; Cochinchina, 43s. 6d. to 45s., spot.

OLIBANUM.—Fine drop is quoted at 250s. per cwt.; pea, 240s. to 250s.; garblings, 180s.; seeds, 175s.

ORANGE PEEL.—Spanish quarters, steady at 1s. 6d. per lb., spot; sweet ribbon, 1s. 9d. per lb. Italian bitter quarters are quoted at 1s. 6d. per lb., spot.

ORRIS.—A very firm market. Florentine, 150s. to 160s. per cwt.

PAPAIN.—East African white, 32s. 6d. per lb., spot, nominal.

QUASSIA.—Chips are quoted at 40s. to 45s. per cwt., according to quantity and holder.

QUILLAIA.—In poor supply. Natural bark, quoted at 130s. per cwt.; cut, for future delivery, 150s., ex store.

QUINCE SEEDS.—Steady. Cape is quoted at 7s. 6d. per lb., on the spot.

RHATANY.—Steady. Spot quotations are unchanged at 11d. per lb.

RHUBARB.—Chinese rough round, with a fair fracture, 8s. to 10s. per lb., according to quality and holder; forward, 5s. 6d. to 6s. 6d. per lb., c.i.f. French rhapsodica is available at 2s. 3d. per lb., spot.

SANDARAC.—Quotations are at 6s. 3d. to 6s. 6d. per lb., ex store London.

SARSAPILLA.—Jamaica, native red, 2s. 4d. to 2s. 6d. per lb., according to holder.

SEEDS.—Steady. **ANISE.**—Cyprus, 2s. 5d. per lb., spot London or Liverpool.

CARAWAY.—Dutch, 1s. 6d. per lb., duty paid, spot London. **CELERY.**—Indian, 1s. 6d. per lb., spot London or Liverpool.

CORIANDER.—Spot. Indian, 65s. per cwt., ex warehouse Liverpool; Morocco, 62s. 6d., duty paid, ex warehouse London.

CUMIN.—Spot. Morocco offered at 240s. per cwt., duty paid; Cyprus, now landing in London, 237s. 6d.; Indian quoted at 235s., ex warehouse Liverpool or Hull.

DILL.—Spot. Indian, 52s. 6d. per cwt., ex warehouse London and 50s. ex warehouse Liverpool.

FENNEL.—Indian, 135s. per cwt., spot London or Liverpool.

FENUGREEK.—Spot. Indian, 50s. per cwt., ex warehouse Liverpool and 52s. 6d. ex warehouse London.

TURMERIC.—Madras finger is quoted at from 105s. to 110s. per cwt., spot.

VALERIAN.—Belgian root is steady at 210s. to 240s. per cwt., according to holder.

WAXES.—**CARNAUBA.**—Fatty grey. Resellers offer material afloat at 880s., c.i.f.; spot is quoted at 960s. per cwt. Prime yellow is quoted at 1,200s. and medium at 1,175s. per cwt.

CANDELLILLA.—Spot, 445s. per cwt.; forward is higher at 437s. 6d., c.i.f. **BEES'.**—Dar-es-Salaam, scarce, 355s. per cwt., spot; shipment, 350s., c.i.f.

LINDI.—Lindi is quoted at 352s. 6d. per cwt., spot; shipment, 347s. 6d., c.i.f. **BISSAO.**—Spot, 350s. per cwt.; in bond, 320s.

MONTAN.—Easier. Czechoslovak crude, 345s. per cwt., spot.

OURICURI.—Spot, 7.1 per cent. is quoted at 510s. per cwt.; 2 per cent. is at 570s.

Essential and Expressed Oils

ALMOND.—B.P. sweet is available at 8s. to 9s. per lb., according to quantity.

BAY.—West Indian is steady at 7s. 6d. to 9s. per lb., on the spot.

CASSIA.—Steady. Quotations are from 17s. 6d. to 20s. per lb., on the spot, according to quantity.

CINNAMON LEAF.—Quotations are at from 15s. to 16s. per lb., according to quantity.

CITRONELLA.—Ceylon is steady at 12s. 9d. to 14s., spot; forward, easier at 9s. 6d. to 9s. 9d. per lb., c.i.f.

CLOVE.—English-distilled is quoted at 11s. to 12s. per lb., according to quantity.

CORIANDER.—English-distilled oil is available at 250s. per lb.

FENNEL.—Sweet oil is steady at 25s. per lb., on the spot.

GERANIUM.—Bourbon, 77s. 6d. to 85s. per lb., according to quantity.

GINGER.—Firm. Quoted at 85s. to 125s. per lb., according to quantity.

GUAIACWOOD.—Quoted at 18s. to 19s. per lb., spot, according to quantity.

JUNIPER BERRY.—Imported is quoted at 40s. to 60s. per lb., as to quality.

LAVANDIN.—Spot quotations, 18s. to 20s. per lb., as to quantity.

LAVENDER.—French (38 to 40 per cent. esters) is easier at 55s. to 60s. per lb. Spanish (spike) is quoted at 13s. to 14s. per lb., spot.

LEMONGRASS.—Cochin is quoted at 17s. 6d. to 20s., spot, according to seller and quantity; forward, firmer at 15s. per lb., c.i.f.

LIME.—West-Indian distilled oil is quoted at 35s. to 40s. per lb., spot.

NEROLI.—Spot is quoted at 120s. per oz.

NUTMEG.—Scarce. English-distilled oil is quoted at 77s. 6d. per lb.

OLIVE.—Controlled price of edible, 1 per cent., is unchanged at 47s. 9d. per gall. of 9 lb., ex store London, in 45-50 gall. drums.

ORIGANUM.—Spot, easier at 18s. 6d. to 19s. 6d. per lb.

PALMAROSA.—Spot, 47s. to 50s. per lb.; shipment, 43s. per lb., c.i.f.

PATCHOULI.—Seychelles, spot quoted at 140s.; to come forward, 180s. per lb. Singapore, spot, 205s.

PIMENTO BERRY.—English-distilled oil is quoted at 60s. to 80s. per lb., according to seller.

SANDALWOOD.—English-distilled, in limited supply, is quoted at 85s. to 90s. per lb., according to quantity.

THYME.—Red oil (40-42 per cent. phenols) is at 17s. 6d. to 18s. 6d. per lb.; white oil is quoted at 20s. to 21s. per lb., spot.

YLANG YLANG.—Scarce. Quotations are in the region of 100s. per lb.

TRADE MARKS

(From "The Trade Marks Journal,"
February 26)

- "LAUREX"; for non-saponaceous washing powders (3). By Marchon Products, Ltd., Roystone, Holders Hill Crescent, Hendon, London, N.W.4. 642,436.
- "MUSE," "MUSE DE COTY" and "LES MUSES"; for bath salts, talcum powder, and face cream, all being non-medicated toilet preparations; lipstick, perfumes, soaps, dentifrices, brilliantine and hair lotions (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 643,280/1/740. (Associated).
- "DACOR"; for perfumes, cosmetic preparations and toilet preparations (not medicated) (3). By Benno Schmelz, 194 Upper Street, Islington, London, N.1. 643,660.
- "COCKSCOMB"; for toilet preparations (not medicated) and cosmetic preparations (3). By Crystal Products Co., Ltd., Hook Rise, Kingston-by-Pass, Surbiton, Surrey. 644,154.
- "NETTAB"; for all goods (3). By Ernest Walter Batten, 32 Milton Street, Fleetwood, Lancashire. 645,243.
- "FLEBO"; for aromatic substances for use in the perfumery industry and essential oils (3). By Chemische Fabriek Flebo, Brugstraat 67, Hoogezand, Netherlands. 645,396.
- "NU-KLAK"; for ammonia, bleaching preparations, soda crystals and non-saponaceous cleaning preparations, all for laundry and domestic purposes; and detergents and polishes (3). By Klak Industries, 55 Wind Street, Swansea, South Wales. 645,456. (Associated).
- "CITROLEM"; for pharmaceutical preparations and substances all for human use, infants' and invalids' foods; disinfectants; all being preparations of or containing citric acid or citrous fruit extracts (5). By Citrus Products Co., Ltd., Abbeydale Road, North Circular Road, Wembley, Middlesex. B634,748. (Associated).
- "CITRAVINCTA"; for pharmaceutical preparations and substances all for human use; infants' and invalids' foods; disinfectants; all being preparations of or containing citric acid or citrous fruit extract (5). By Citrus Products Co., Ltd., Abbeydale Road, North Circular Road, Wembley, Middlesex. 634,751.
- "RECTOSEPT"; for pharmaceutical preparations for rectum administration in the treatment of intestinal infections (5). By Continental Laboratories, Ltd., 101 Great Russell Street, London, W.C.1. B638,344.
- "NARBOSOUFRE"; for chemical preparations being sulphur compounds for use as insecticides, fungicides and weed killer (5). By Société Lanquedocienne de Recherches et d'Exploitations Minières, c/o Boul't, Wade & Tennant, 112 Hatton Garden, London, E.C.1. 641,080.
- "VALCREMA"; for medicated creams for the skin (5). By Dae Health Laboratories, Ltd., Maidstone House, 25 to 27 Berners Street, London, W.1. 641,537. (Associated).
- "EURAX"; for medicated ointments (5). By J. R. Geigy Société Anonyme, c/o Henry Imrie & Co., 72 and 74 Cannon Street, London, E.C.4. 641,711.
- "ELASTOCREPE"; for elastic cloth bandages and elastic cloth wrist and ankle bandage straps (5). By T. J. Smith & Nephew, Ltd., Neptune Street, Hull. B642,620. (Associated).
- "GOLDEN EASE"; for medicated ointment for human use in the treatment of rheumatism, sciatica, lumbago and similar complaints, and of the chest, being goods for sale within the Municipality of Keighley and the Urban District of Bingley (5). By William Dobson, 66 Bow Street, Keighley. B642,699.
- "JUARSINE"; for pharmaceutical preparations and substances containing arsenic or derivatives thereof (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. 643,520. (Associated).
- "ASFEBRIN"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. 643,536.
- "SOMNOTIL"; for medicated preparations for use in the treatment of insomnia (5). By Allied Laboratories, Ltd., 140 Park Lane, London, W.1. 644,308.
- "PHYSADIN"; for effervescent analgesic tablets (5). By R. M. Broadhead, Westmount, Seaview Road, Broadstairs, Kent. 644,311.
- "NEO-DERMACRINE"; for pharmaceutical preparations and substances for the treatment of affections of the skin, wounds, abscesses, boils, carbuncles and similar complaints (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. 644,364.
- "MARBENE"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. 645,310.
- "POTTER'S"; for pharmaceutical preparations and substances, medicated and tonic foods for infants and invalids, insecticides, antiseptics and disinfectants (5). By Potter & Clarke, Ltd., 60-64 Artillery Lane, London, E.1. 645,168. (Associated).

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References

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|---|---|
| <p><i>Chemistry and Industry</i>, 1944, 67.
<i>Chemistry and Industry</i>, 1944, 127.
<i>Quarterly Journal of Pharmacy and Pharmacology</i>, 1943, 232.
<i>Pharmaceutical Journal</i>, 1943, 58.
<i>The American Perfumer</i>, 1943, 163.</p> | <p><i>Journal of the Society of Chemical Industry</i>, 1944, 107.
<i>Journal of the Society of Chemical Industry</i>, 1944, 8.
<i>Oil and Soap</i>, 1942, 144.
<i>Oil and Soap</i>, 1945, 81.
<i>Nature</i>, 1944, 824.</p> |
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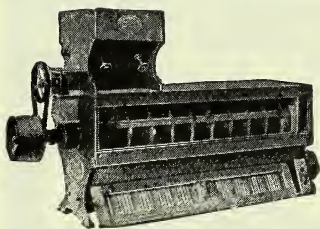
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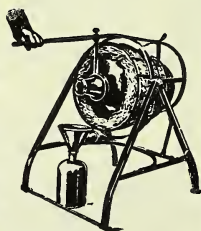
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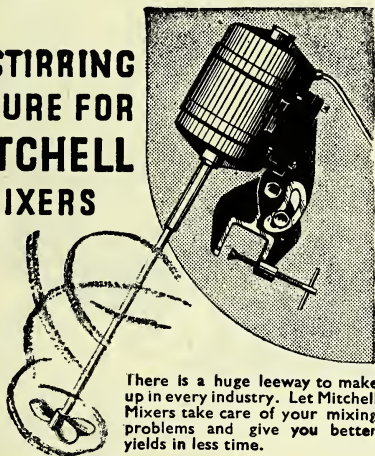
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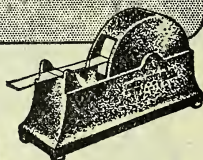
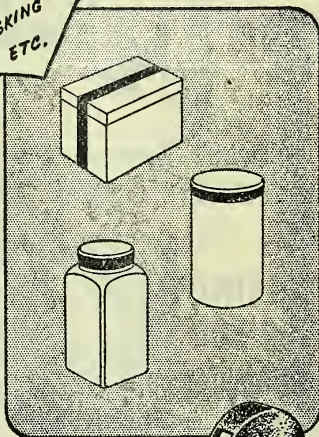
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TREATMENT OF DYSPEPSIA, FLATULENCE, ACIDITY AND ALLIED CONDITIONS
It is a very effective antacid. It combines a powerful and persistent action with a rapid initial effect. It possesses mild laxative properties and does not produce any harmful effects.
One heaped teaspoonful in a glass of water 3 times a day after meals or as directed by the Physician.
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CLOUDY AMMONIA

*famous for over 80 years
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Makes the Sterilization and Assembly of Syringes Safe and Foolproof.

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Dimensions 8½"
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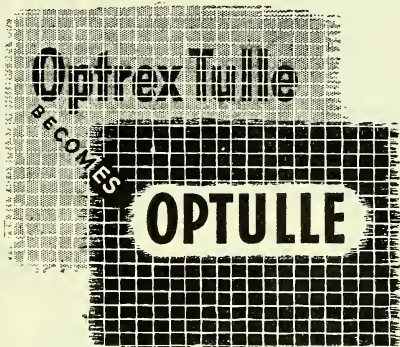
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TOWELS**for
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In various sizes

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**THE WORLD'S
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**SAFETY
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Specialists in modern equipment for manufacturers, i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies, etc., etc.

Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals as an economical proposition.

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ANTISEPTIC
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6d and 1/-

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Rolls 1/1½. Pkts. 11½d.

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are used every year, and the demand for this important liquid plant food is still increasing. Be sure to have a good stock for spring and summer when our national advertising will be at its height.

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SOLID FUEL TABLETS
HANDY AND AS EFFECTIVE AS EVER

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SUPPLIES AVAILABLE EARLY IN APRIL
BUT THEY WILL BE LIMITED

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DID YOU KNOW THAT META FUEL IS ALSO?
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Make your own finest quality toilet preparations quickly, easily, from our Emulsifiers. Just melt the Emulsifier and stir in hot water.

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These characteristics have established the leadership of 'ASPRO' among medicinal lines in all parts of the world to which it has been introduced.

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Tablets

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ASPRO LTD., SLOUGH, BUCKS
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LIQUID SPRAY

Specially prepared for Household use.
NON-INFLAMMABLE, NON-POISONOUS,
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Ready for immediate use. Full directions
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ZINC, BORACIC and SULPHUR
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FENNINGS' CHILDREN'S POWDERS ... **1/3, 3/-, 5/-, 12/-**

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For Coughs, Colds, Bronchitis, etc. **1/3** and **3/-**. Also **6/-** Carton
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FENNINGS' OINTMENT. Demand Steadily Increasing.

For Cuts, Burns, Bruises, Chilblains, etc. **1/3** a tin

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Please address orders and inquiries to your Wholesaler

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BOTTLES & JARS for Sale

1 dram, 2 dram and 4 dram

PERFUME BOTTLES

3 dram **NAIL VARNISH**

STYLE BOTTLES

1-oz. and 2-oz. **FANCY**

BOTTLES (All the

above with Black Plastic Screw

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1-oz. and 2-oz. **SQUAT JARS**

with Aluminium or Enamelled

Metal Screw Caps.

If you require any of the above, kindly let us have your enquiries by return, stating quantities wanted. We shall also be glad if you will indicate to us your requirements of any other kinds of Bottles and Jars.

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A reputation

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ALL COTTON WOOL

SANI-TOWELS

"with the soft seamless knitted covering"

SIZES 1, 2, 3 AND MATERNITY

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'KUMFEX' SOLUBLE

(all with loop ends)

★ Supplies unfortunately restricted at present

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Be Prepared!

MORE and more people, both through our advertising and through their experience, are getting to know that SevenSeaS Cod Liver Oil is the answer to sun-starvation. Add two facts—that 1946 was a poor year for sunshine, and that this is the sixth winter of fat-rationing, and you see why we say—be prepared for a strong run on your SevenSeaS supplies—oil and capsules!

BRITISH COD LIVER OILS (HULL & GRIMSBY,
LTD., ST. ANDREW'S DOCK, HULL, ENGLAND.



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CASCARA SAGRADA
ASPIRIN
CODEINE CO

THE CHEMIST FORMULA

3

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SOUND STANLAST SELLERS

We invite your enquiries for any quantity of the above. Also Stanlast Crep Bandages, Packed Pharmaceuticals and Tablets and Pills of every description.

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Try! and Believe

TWO OUTSTANDING PRODUCTS

"ROHSEM"

Antiseptic Concentrated Wave Set
Miniature size, 2/6 bottle (makes 1-2 gallons)
General size, 7/6 " " 5-7 "

Subject to 100% Tax

Simply shake, pour into warm water and dilute as required.

"ROHSEM" R.C.E.

The White Cream Maker

Price, 7/6 per lb.; packed in 1½-lb. and 5½-lb. tins. Simply add to hot water, which produces a Brilliant Cream with a glowing sheen.

NOTE—"R.C.E." is a raw material and is subject to the usual declaration.

"LAMAU" Perfumery

NOW IN PRODUCTION
Bulk or Proprietary Packs

"ROHSEM" Shampoo

400 Soapless Shampoo Powder.
D.X. " Liquid
D.C. Spirit Dry Shampoo.
In Proprietary packs or bulk.

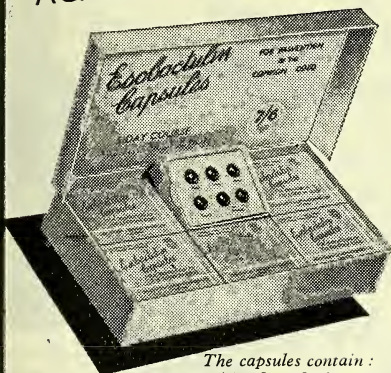
Wholesale or Trade enquiries invited.

LENNARD, LEE-NARVILL
& CO. LTD.

LEE-NARVILL LABORATORIES
ANLABY ROAD KINGSTON-UPON-HULL



FOR PROTECTION AGAINST **COLDS**



The capsules contain :

- (a) Specific Antigens
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Packed in boxes of one dozen

ESBOACTULIN CAPSULES are an effective protection against colds and are simple to take. 6 Capsules taken over 5 days give most people 3 months protection from colds.



COMPLETE COURSE 7/6
Inclusive of Purchase Tax
Trade Discount 33 1/3 %

P.A.T.A.

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Sole Distributors for
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IMMEDIATE DELIVERY



BROTEX Reg'd.
ALUM BLOCKS
FOR USE AFTER SHAVING

STYPTIC PENCILS
FOR CUTS & TO STOP BLEEDING

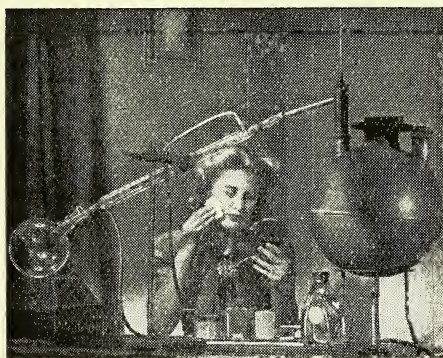
"KINGDOM"
WASHING POWDER
FOR LINENS · COTTONS · WOOLLENS
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"KINGDOM"
PINE DISINFECTANT
FOR BATHS · LAVATORIES, ETC.

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PREPARATIONS FOR EXPORT**

FULL PARTICULARS
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Field



PERFUME COMPOUND SPECIALISTS

FIELD & CO. LABORATORIES LTD., MOUNT PLEASANT, ALPENTON, MIDDLESEX



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Premature dental decay and other symptoms of mineral deficiency occur too frequently. Your friends across the counter need this advice, "Take Calfos".

Years of rationing have reduced their mineral reserves to danger point. For expectant and nursing mothers, for all young children, an adequate mineral supplement daily is essential.

Calfos Tablets are the easily assimilable way to provide the vital natural minerals they need. Calfos enables every mother to bear a healthy child without loss or damage to her teeth or bone structure. Calfos means sound bone and teeth for every youngster. Calfos preserves good health.

★Calfos contains calcium, phosphorus and all trace elements found in normal healthy bone in nature's true proportions.

CALFOS^{REGD.} Natural Mineral TABLETS

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CALFOS LIMITED • IMPERIAL HOUSE
KINGSWAY • LONDON • W.C.2

C.F.

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THE MEAT AND MALT WINE

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Sole distributors to the Pharmaceutical Trade:
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Enquiries invited for
Pure Food (fully guaranteed)
EDIBLE GELATINE
from holders of Board of Trade
open, specific or consumer
Licences. Minimum quantity
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Please state, Type Quality and Quantity required
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PEGOL (REGD.) "RUBGUM" TEETHING SYRUP

SOOTHES BABY'S GUMS AND MAKES
TEETHING EASY

ATTRACTIVE SHOW CARD. BONUS
BOTTLE WITH EACH DOZEN. COST
14/6 DOZ. PLUS 2/7½ TAX.
RETAILS 2/- BOTTLE



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An important advance in sodium salicylate medication for the treatment of acute articular and extra-articular rheumatism, rheumatic pains and infections and hepatic disorders.

Available in packings of 50 and 200 capsules

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PIPERAZINE (Asmidar)

Effervescent Granules

A uric acid solvent—3 oz. size.

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Strychnine Gluconate—Gives prolonged action with decreased toxicity.

Boxes 8 x 1 c.c. ampoules 0·002, 0·0035, 0·005 gm.

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Containing 5% Sulphathiazole in non-greasy base. Indicated in cases of Impetigo and coccal infections.

Size—½ oz. Tubes.

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Non Greasy Non Staining Analgesic

Size—½ oz. Tubes.

ICHTHAMMOL B.P.

With high organically combined sulphur content.

Literature and fuller information on these Preparations can be supplied on request.

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POWDERED BRAND*Gum Tragacanth*
(B.P.)

The literature dealing with Gum Tragacanth is not readily accessible to the average commercial user. On request, you can obtain a free, 12-page, illustrated booklet, telling "The Story of Gum Tragacanth"

- Ground by a Special Process to ensure controlled tenacity
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- Graded to a series of Predetermined Standards covering every Industrial Requirement
- Packed in Sealed Tins

Whatever grade of RED CARNATION Brand Gum Tragacanth you order, and whenever you order it, you know exactly what you will be receiving—Powdered Gum Tragacanth of certified quality & characteristics—essential pre-requisites of every ingredient used in commercial processes today.

KIMPTON BROS. LTD.

Established 1882

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Retail Price 2/6 a bottle incl. 3d. tax
Trade terms 18/- per dozen plus 3/- tax

Johnson's BABY LOTION

JOHNSON & JOHNSON (GT. BRITAIN) LTD., SLOUGH & GARGRAVE. *Makers of the famous Baby Powder*

You know how mothers are about their babies... they want the best of everything for them. Well, here is something better for nursery use, a snow-white antiseptic emulsion for soothing, cleansing, lubricating and protecting a baby's delicate skin. Show mothers this "something better" for their babies and help yourself to extra business.

BABY LOTION'S Big send off
includes:
EDITORIAL SUPPORT from enthusiastic Home Page Editresses.
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SAMPLING to Infant Welfare Clinics (doctors and nurses make customers for you).
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50 Years of service

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TABLETS AND PILLS
LOZENGES, SUPPOSITORIES
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PREPARATIONS
EXPORT INQUIRIES
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ESTD. 1894

MATTHEWS & WILSON LTD
6-8 COLE ST. LONDON S.E.1.

Owing to the power cuts

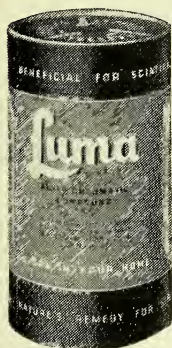
our supplies of cartons for
RALGEX
have been entirely exhausted.
We, therefore, regret that we
have been obliged to hold up
deliveries. These will be
resumed as soon as fresh
supplies of cartons are
received from the makers.

PATA

DIUROMIL
remains readily available.

PHARMAX LIMITED
IBEX HOUSE · MINORIES · LONDON · E.C.3

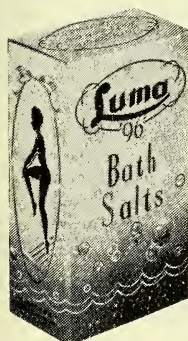
MARSHALL'S PROPRIETARIES LIMITED



Announcing REVISED PRICES

from **MARCH 1st, 1947**

Owing to increased costs of production and prices of Raw Materials and Components, the following price increases will become operative from 1st March, 1947.



LUMA Anti-Rheumatic Compound

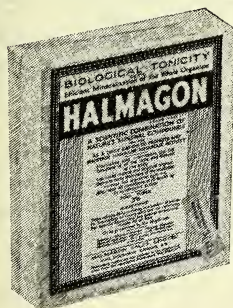
Size	Retail Price (including Purchase Tax)	Standard W/Sale Price	Purchase Tax
SMALL	1/6d	10 6d	1/9d
MEDIUM	3/8d	26 -	4/4d
FAMILY	6 6d	46 -	7/8d

LUMA '96' Perfumed Bath Salts

SINGLE . . 4/6d 22 - 22/-

Subject to Quota

LESS USUAL DISCOUNTS



NO CHANGE IN THE PRICES OF

HALMAGON
or **PETAL DUST**

Coming Shortly:

LUMA Anti-Rheumatic CUBES
NURSERY POWDER (Medicated)

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CIRCULAR
KNITTING
MACHINES

*Suitable
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Manufacture
of Surgical
Dressings*

75 M/cs. $2\frac{3}{4}$ " - 5" diam. Various makes.
65 M/cs. Wildt $2\frac{1}{4}$ " diam., 63 ndl., Sta. Cyl.
158/332 C & D Office

Gums; Waxes, "Spermaceti" etc.
Essential Oils; Lanoline; Petroleum Jelly;
Stearic Acid; French Talcs; Zinc Oxide;
Vanillin Substitute; Triethanolamine;
Lauryl Alcohol Sulphonate Substitutes;
Acetic Acid; Glyceryl Monostearate; Cetyl
Alcohol. All Fine and Heavy Chemicals.

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J. J. VIGON & CO., LTD.
30 Fenchurch Street, London, E.C.3.
Mansion House, 0466/9

1,000 GROSS 1 OZ. FANCY BOTTLES

with Bakelite screw caps

38/- per gross

Box No. 154/182 Chemist & Druggist Office

Our Tableting Plant

is able now to accept orders to press tablets
to customers own materials and formula.

We also have packing facilities. Ask for details

Box No. 156/258, C. & D. Office

FOR SALE EX STOCK

Dark Blue Bottles "Poison." Hex. ribbed,
stoppered. 2 oz., 4 oz., 8 oz., 20 oz.,
40 oz., 80 oz. White Square Chest
Bottles, stoppered, N.M. 1 oz., 2 oz., 4 oz.,
8 oz., 16 oz., 24 oz., 32 oz. Also 1 oz.
Bottles with drop stopper for passive de-
fence. All new. Large quantities available.

Enquiries to

GORNEY LTD.

35 Northumberland Street, Manchester, 7



Handkerchief Powder Puffs 2/9 each
Dressing Combs 6" - 45/- per gross
Side Combs - - - 37/- per gross
Bakelite Soap Boxes - 7/3 per doz.
Rubber Soap Dishes - 13/6 per doz.
Plastic Bath Caps - - 24/- per doz.
Razor Blades - - 33/- per thousand
Sponge Bags from - - 9/- per doz.
Baby Pants Plastic - - 25/- per doz.
Toilet Bottles 2 and 4 oz.
Squat Opal Jars 1oz

Prices
exclusive
Purchase
Tax.

NEWELL TRADING CO. LTD.
16 FITZROY STREET W.1

FOR DISPOSAL

Powdered Stearine.....approximately 1 ton
Terpinolene.....224 lbs.
Petroleum Jelly (yellow).....170 lbs.
Apply - - 156/257, C. & D. Office.

WANTED

—works manufacturing phar-
maceutical specialities—with
or without equipment.

Write to 138/506 C. & D. Office.

SUPERIOR QUALITY PLASTIC COMBS

LADIES AND GENTS 7 ins. RETAILING AT 8½d.

Send 2/- for 3 Samples and Postage
OR 55/4 PER GROSS PLUS TAX 18/9

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PAPER HANDKERCHIEFS

Immediate Delivery, packets of 80 large size.
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WHAT IS M.O.F.?

When to Recommend This Fortified Infant Cereal Food

M.O.F. is a finely sieved oat flour fortified with Vitamin D, Calcium, Phosphorus and Iron and specially processed for quick cooking.

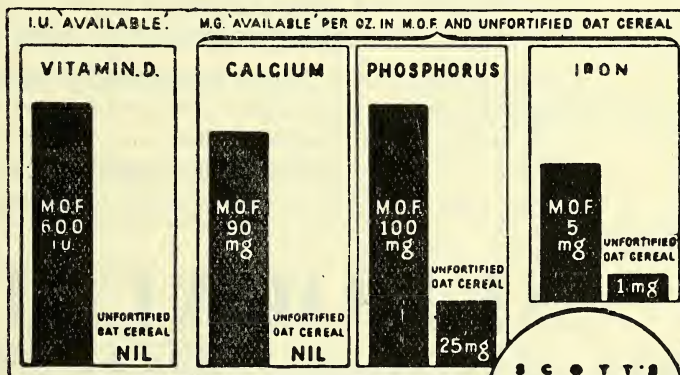
WHEN AND HOW TO GIVE IT

The use of M.O.F. normally begins with the introduction of mixed feeding. It should be made to a thick consistency and may be spoon fed before the normal breast or bottle feed. Small quantities given at first should be increased as the infant progresses, M.O.F. forming one of the staple factors of a mixed diet.

Where artificial feeding must start at an early age M.O.F. can be given as from 3 months.

HOW DOES IT COMPARE WITH OTHER CEREAL FOODS?

One of the reasons why progressive medical opinion recommends M.O.F. is because it is more than a cereal. M.O.F. is a fortified food. How it compares with non-fortified infant cereals can be seen in this chart.



M.O.F. IS PREPARED BY S. & S. SCOTT LTD.,
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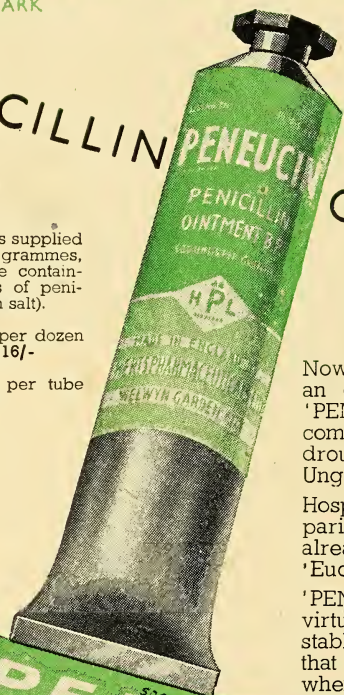
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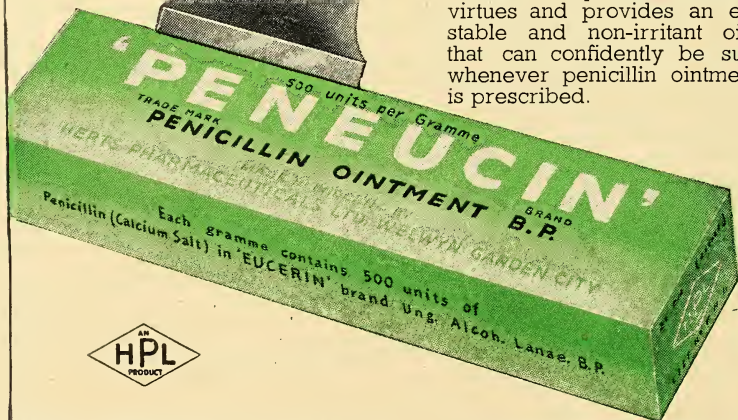
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